



**NORTHERN ROCKIES COORDINATING GROUP (NRCG)
NWCG STANDARDS FOR INTERAGENCY INCIDENT BUSINESS MANAGEMENT
SUPPLEMENT**

CHAPTER 20 – ACQUISITION

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Approved:

/s/ Michael T. DeGrosky

MICHAEL T. DEGROSKY
Chair

Posting Instructions: Post by document, remove the entire document, and replace with this supplement. Retain this transmittal as first page of document.

New Document	NR-2019-3	66 pages
Superseded Document(s) by Issuance Number and Effective Date	NR-2019-8 (4/26/19)	66 pages

Digest:

- Updates website for State of North Dakota Truckers Handbook
- Clarifies hiring methods for initial attack resources
- Clarifies that Fuel Tenders are required to process credit cards in the field
- Added requirement for draft hose foot valve for Pumper Cat, Skidgine, Soft Track, Engines, Support Water Tender and Portable Pumps
- Removed option of strainer so only screened foot valves are acceptable on Engine and Support Water Tender suction hose

1 **GEOGRAPHICAL AREA SOLICITATIONS**

2 The following items are under a Geographical Area or National Solicitation and the Dispatch
 3 Priority List (DPL) or resource list generated for these solicitations should be the first source of
 4 supply. All DPLs and resource lists are posted on the NRCG website. For exceptions to this
 5 policy, e.g. tribal lands, IDL lands, MTDNRC lands, see Chapter 50, Interagency Cooperative
 6 Relations.

Ambulances*
Bus, Crew Carrier
Caterer, Type 3
Dozer
Engine
Excavator
Faller/ Faller Module
Feller Buncher
Fireline EMTs*
Fuel Tender (non-aviation)
Handwashing Station, Portable
Handwashing Station, Trailer Mounted
Heavy Equipment Task Force**
Masticator / Chipper

Road Grader
Pumper Cat
Skidder
Skidgine
Soft Track
Toilet, Portable
Transport (lowboy)
Truck, Gray Water
Truck, Service with Mechanic
Truck, Potable Water
Tender, Water (Support)
Vehicle Rental, Off-Road
Weed Wash Units

- 7 *Ambulance / Fireline EMTs: Separate agreements for MONTANA ONLY and IDAHO ONLY.
 8 ** Heavy Equipment Task Force: Not available for dispatch outside Northern Rockies

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ACQUISITION METHODS

Land-Use and Facility Rental Agreements

Northern Rockies Land Use Agreement Guide created for 2019, posted to NRCG Business Committee website.

General Guidelines for Equipment Hire

Laws, Regulations, and Guidelines

- Service Contract Act (SCA) Wage Determination. Federal agencies shall apply the SCA to all rentals wherein service employees are used, except for owner/operators. Contractors are responsible for paying these rates. Current Wage Determination is posted on the NRCG website, CONTRACTING FOR FIRE:
https://gacc.nifc.gov/nrcc/dispatch/equipment_supplies/agree-contract/agree-contract.htm
 - The Procurement Unit Leader shall post copies of the applicable Wage Determination Service Contract Act and Fair Labor Standards Act posters in a public location at each incident camp.
- Operator Hour Limitations. Operator assignments should be on a scheduled rotation for each operational period if the equipment is working 24 hours per day. When equipment is used less than 24 hours per day and only one operator is provided, the operator's schedule shall be based on an operational period allowing a minimum of 8 hours off duty between operational periods (all work/rest guidelines in the NWCG SIIBM, Chapter 10, shall apply).
- Licensing Requirements. If a piece of equipment requires a licensed operator, then all private sector operators shall have a valid license for the equipment operated. Equipment requiring a Commercial Driver's License (CDL) is classified in two ways: (1) by Class and (2) by Type. See Exhibit NR5, in this supplement. All commercial vehicles must meet the insurance requirements in 49 CFR 387.7. This information can also be located at the following website: www.fmcsa.dot.gov.
- Personnel Requirements. Reference Exhibit NR6 and within each equipment category as needed.
- Government Supervision Requirements. (see NRCG Contractor Supervision letter at <https://gacc.nifc.gov/nrcc/nrcg/>)
 - Heavy Equipment: Heavy equipment shall have a fully trained and qualified Government fire line supervisor available in the immediate area who is assigned to direct the heavy equipment operator at all times during any suppression activities. Heavy equipment operators will not work on the fire line without such supervision.
 - Support Water Tender: Support water tenders shall not be engaged in direct fire suppression efforts on any active fire line (direct water application to fire perimeter or improvements). Support water tenders assigned to support firefighting activities (filling engines, fold-a-tanks, dust abatement, etc.) shall be positioned in areas that

- 1 provide an immediate safe exit route. Safe placement of these vehicles shall be the
2 responsibility of the fireline supervisor under whose supervision the support water
3 tender was placed. Support water tender operator and fireline supervisors must
4 mutually ensure that the support water tender operator's radio is operating properly in
5 order to maintain communications at all times.
- 6 ○ Fallers: Contract Fallers shall have a fully trained and qualified Government fire line
7 supervisor available in the immediate area who is assigned to direct the heavy
8 equipment operator at all times during any suppression activities. Heavy equipment
9 operators will not work on the fire line without such supervision.
- 10 • Department of Transportation (DOT) Requirements.
11 Refer to website: www.fmcsa.dot.gov
- 12 Current safety ratings for contractors may be assessed at the following website:
13 www.saferys.org
- 14 All commercial motor vehicles must be licensed for interstate travel. Commercial motor
15 vehicles as described by Federal Motor Carrier Safety Regulation 390.5 are defined as:
- 16 **Commercial motor vehicle means any self-propelled or towed motor vehicle used on**
17 **a highway in interstate commerce to transport passengers or property when the**
18 **vehicle:**
- 19 1) Has a gross vehicle weight rating (GVWR) or gross combination weight
20 rating (GCWR), or gross vehicle weight (GVW) or gross combination weight
21 (GCW), of 4,536 kg (10,001 pounds) or more, whichever is greater; or
- 22 2) Is designed or used to transport more than 8 passengers, including the driver,
23 for compensation; or
- 24 3) Is designed or used to transport more than 15 passengers, including the driver,
25 and is not used to transport passengers for compensation; or
- 26 4) Is used in transporting material found by the Secretary of Transportation to be
27 hazardous under 49 U.S.C. 5103 and transported in a quantity requiring
28 placarding under regulations prescribed by the Secretary under 49 CFR,
29 Subtitle B, Chapter I, Subchapter C.
- 30 5) DOT operator regulations apply unless incident host agency driving standards
31 are more restrictive
- 32 In addition, all commercial motor vehicles must meet all DOT requirements found in 49 CFR
33 390 through 396.
- 34 • Gross Vehicle Weight (GVW)/Gross Vehicle Weight Rating (GVWR)/Gross Axle Weight
35 Rating (GAWR). Equipment, which by law requires an operator to possess a driver's license
36 to operate on a public highway, shall be licensed. The GVW shall not exceed the weight of
37 the manufacturer's GVWR. Gross Axle Weight Rating will not be exceeded while vehicle is
38 fully loaded.

Contractor shall abide by GVW/GVWR/GAWR requirements.

All equipment shall be within the limits of the manufacturer's GVWR when fully loaded (including operators and accessory equipment). This includes balancing the load in a manner that all axle weights comply with the manufacturer's gross axle weight rating. Equipment shall be configured in a manner that the center of gravity, to the vehicle, is within the design limits of the equipment. The contractor may be responsible for providing certification from a professional mechanical engineer or other expert in the field of design engineering, establishing the fact the design limits of the equipment have not been compromised.

At the time an incident-only agreement is awarded, the inspection for engines, water tenders and water trucks may require the unit to be fully loaded, with the contractor providing loaded weight tickets from a certified scale. The government reserves the right to reweigh the vehicle at any time.

- Insurance Requirements. All commercial vehicles must meet the insurance requirements found in 49 CFR 387.7.
- Work Rates. For equipment not identified in this supplement, the rates shall be negotiated, taking into consideration wages (if hired fully operated), depreciation, taxes, storage, insurance, overhead and profit. Local customary rates shall also be considered.
- Daily Rates. Reference Clause 12, General Clauses of the EERA.
- Fully Operated Rate. The operator portion of the fully operated rates for heavy equipment is based on the following formula: $((8 \text{ hours} * \text{the applicable SCA rate}) + (6 \text{ hours} * (1.5 * \text{the SCA rate}))) + (8 \text{ hours} * \text{the fringe benefit rate}))$, with an assumed 35 percent payroll burden. Equipment can be hired "wet" (contractor provides fuel and operating supplies) or "dry" (government provides fuel and operating supplies) as defined in the General Clauses of the EERA.
- Un-operated Rate. The un-operated rates are based on a government-provided operator. If the government provides operating supplies, downward adjustment to the daily rate will be made for the cost of the operating supplies.
- Operating Supplies. As noted on the agreement, operating supplies are provided either by the government or the contractor. When it is the government's responsibility to provide these supplies but the contractor supplies them, reimbursement shall be made by the government. When the reverse is true and the government provides supplies that should be furnished by the contractor, a deduction for the value of the supplies shall be taken. Documentation of additions and deductions shall be attached to the OF-286.
- Special Provisions. The most current General Clauses can be found at: <https://gacc.nifc.gov/nrcc/nrcg/committees/business/toolbox/toolbox.htm>

- 1 • Repair Rates. Reference Clause 10.8, General Clauses of the EERA. The rate to be assessed
2 for government-provided repairs shall be \$90 per hour plus parts. Repair times shall be
3 computed to the nearest half hour.
- 4 • Work/Rest Guidelines. NRCG policy requires compliance with work/rest guidelines as
5 outlined in Chapter 10 of this handbook.
- 6 • State Workers' Compensation. All private sector operators shall follow state law for
7 Workers' Compensation. Contractor (owner) must provide proof that all employees are
8 covered by Workers' Compensation insurance. Additionally, contractors (owners) who will
9 be operating equipment must provide the following prior to issuance of an EERA/I-BPA:
 - 10 1) Independent Contractor Exemption certificate issued after April 28, 2005 (certificates
11 approved before April 28, 2005 are not acceptable) **or**
 - 12 2) Proof of Workers' Compensation insurance showing owner is covered, **or**
 - 13 3) DOL&I Letter: Subject: Workers' Compensation – Exempt Status (for Corporate
14 Officers and LLC Managers.)
- 15 It is a contractor's responsibility to ensure they and their employees are covered with
16 Workers' Compensation Insurance or have an exemption as defined by state statute. The
17 following states have reciprocal coverage for Workers' Compensation: Montana,
18 Washington, Idaho, Wyoming, Oregon, North Dakota, South Dakota, Utah and Nevada.
19 Contractors traveling outside of their state of residency will need to validate coverage, if
20 accepting an assignment in another state.
- 21 • Severity. Severity shall be paid at 75% of the daily rate and, if applicable, 75% of the
22 transport daily guarantee for ten hours or less. Mileage rates are not reduced on a severity
23 assignment. Shifts exceeding ten hours will be paid the full daily rate and transport
24 guarantee, if applicable. During severity assignments, contractors may be assigned duties
25 which may include patrol, prevention and education duties, and refurbishment of fire
26 equipment including washing and rolling hose. Duties not acceptable include thinning
27 projects, building maintenance and other projects that should be paid from home unit funds
28 and take the contractor out of their classification for Workers Compensation coverage. If
29 severity payment option is not included in regionally awarded equipment, federal agencies
30 must enter into an incident only agreement for payment purposes.
- 31 • Equipment hired must meet the minimum specifications for wildland firefighting established
32 by Northern Rockies Coordination Group (NRCG) and National Wildfire Coordination
33 Group (NWCG).
- 34 • Red Dyed Fuel. State Law prohibits the use of dyed fuel in motor vehicles operating upon
35 public roads and highways.

36 While working on incidents in Montana, Idaho, South Dakota and North Dakota, state laws
37 must be followed. There are no exemptions for contract, over the road equipment employed
38 as firefighting resources to use dyed fuel while traveling public highways.

39 To access information regarding off-road fuel, please reference the following sites:

- Montana Administrative Rule regarding off-road fuel use can be accessed at:
www.mtrules.org/gateway/ChapterHome.asp?Chapter=18.10
 - State of Idaho Truckers Handbook:
<http://itd.idaho.gov/DMV/Poe/documents/TruckersHandbook.pdf>
 - State of North Dakota Truckers Handbook:
www.nd.gov/ndhp/sites/nd.gov.ndhp/files/docs/permits/Truckers_Handbook.pdf
 - State of South Dakota Truckers Handbook:
https://www.nd.gov/ndhp/sites/www/files/documents/MC/Truckers_Handbook-August_2015.pdf
- Equipment Travel Time. Travel time via ground transportation shall be calculated by dividing distance (from point of hire to incident, incident to incident, incident to point of hire, or ordered travel route) by average travel speed of 45 mph, plus applicable rest time.
 - Use of communication equipment while driving. All resources must abide by federal, state and city laws regarding cellular phone use while driving. In addition, while on incident, resources must follow agency policy which may be more restrictive.

HIRING METHODS

Northern Rockies competed resources:

NRCG member agencies agreed to establish and use competed resources where agency regulations allow. Federal agencies within the Northern Rockies are required to use the competed agreements before all other private resources not under agreement with the following exceptions: initial attack at which time an EERA must be established prior to order, or where Tribal preference policy established with reservation jurisdiction applies. State exceptions to this requirement are initial attack or as outlined in the competed agreements or as referenced below for state agencies. (Initial attack resources must be under an agreement prior to taking action. The exception allows IA resources to be contracted under incident-only EERAs).

The IDL preferred source of supply for incidents occurring on lands protected by the Idaho Department of Lands (IDL) is that which reduces mobilization time and/or is most advantageous in meeting incident objectives, as determined by the area line officer or Fire Warden. Equipment that has not been competitively bid, but is available locally, can be procured through the execution of an Incident Only EERA. Refer to the IDL Incident Business Operating Guide (IBOG) and Idaho Cooperative Mobilization Agreement (ICMA) at <https://www.idl.idaho.gov/fire/business/index.html>.

Montana Department of Natural Resources (DNRC) may utilize any resource to aid in the suppression/rehabilitation of any fire on lands protected by the State of Montana. This includes, but is not limited to, use of any resource from the following sources: DNRC, other States and Federal agencies, local government fire forces, and private contract resources (including competed solicitation resources and local EERAs). DNRC will order and utilize resources from the best, closest and most appropriate source as determined on the basis of urgency (date and

time needed), availability, delivery time, reasonable cost, and operational impact on the agency and incident. This allows DNRC to select resources that will allow the fastest, most effective and safest suppression of fires occurring on state protection.

All agreements can be found on the NRCG Web site CONTRACTING FOR FIRE:
https://gacc.nifc.gov/nrcc/dispatch/equipment_supplies/agree-contract/agree-contract.htm

Forest Service competed agreements

National:

Bus, Crew Carrier
Clerical Support Unit
Communications Trailer

Crew, Type 2 IA
GIS Unit
Helicopter Operations Support Trailer

Regional:

Ambulance
Dozer
Engine
Excavator
Faller/Faller Module
Fireline EMT
Heavy Equipment Task Force
Masticator / Chipper

Pumper Cat
Road Grader / Skidder / Feller Buncher
Skidgine
Soft Track
Tender, Water (Support)
Transport
Truck, Service with Mechanic

These Regional agreements, (except Ambulance and Fireline EMT) are administered by:
 Debby Wesselius, USFS Contracting Officer at (406) 829-7350, dwesselius@fs.fed.us

Ambulances and Fireline EMT agreements are administered by:
 Jeff Gardner, USFS Contracting Officer at (406) 329-4987, jbgardner@fs.fed.us

Bureau of Land Management competed agreements

Geographic Area:

Caterer, Type 3
Fuel Tender (non-aviation)
Truck, Potable Water

Truck, Gray Water

These agreements are administered by Velvett Cummins at (406) 896-5148

Montana Department of Natural Resources and Conservation competed agreements

Geographic Area:

Handwash Station, Portable	Toilets, Portable
Handwash Stations, Trailer Mounted	Vehicle Rental, Off-Road

These agreements are administered by Wanemah Hulett at (406) 542-4230, whulett@mt.gov
<http://dnrc.mt.gov/divisions/forestry/fire-and-aviation/fire-business/vendor-bulletin-board-informational-update>

National Park Service competed agreements

Geographic Area:

Weed Wash Units

These agreements are administered by Pam Moody at (505) 967-7189,
pamela_moody@nps.gov.

Procurement Technical Assistance Centers (PTAC) for Montana, Idaho, and North Dakota

- PTAC provides assistance to vendors interested in responding to any state or federal government solicitation or invitation to bid. PTAC contacts are listed at:
www.aptac-us.org/new/index.php

Incident-Only EERAs

Resource rates referenced in this supplement are commercial rates and may be utilized as guidance for local procurement officials when negotiating incident-only agreements. Standard rates are defined as 90% of the lowest regionally competed rates as published at:
<http://www.fs.fed.us/business/incident/viprreports.php>.

The following describes requirements, **which may differ from the competitive process**, and establishes commercial rates for incident-only EERAs/I-BPAs for equipment rented within the Northern Rockies Geographic Area. The rates are fair and reasonable for equipment that is relatively new, in good operating condition and meets all of the requirements listed in this chapter. The rates reflect that the equipment will be engaged in fighting wildland fires under adverse working conditions, driven on both improved and unimproved roads, and will likely require operators to work overtime. The rates may be adjusted as follows:

- Rates may be adjusted downward when equipment fails to provide the basic configuration required for each equipment type listed, or is excessively old and will not perform up to the standards of newer equipment in terms of quality operating time or production capability.
 - The equipment shall be inspected utilizing the OF-296 Vehicle/Heavy Equipment Pre-Use Inspection Checklist and any additional checklists provided in this chapter or the solicitation under which it was hired.

- Rates may be adjusted upward to reflect the contractor's actual payroll cost when a contractor demonstrates a long-term history of paying wages exceeding the established SCA wage determination for the period (example: payroll records for past 12 months).
- Rates may be exceeded (within agency authority) on a case-by-case basis to reflect equipment that is unique in operating capability or cannot be obtained without a higher rate.
- **Heavy Equipment Transports:** Preferred method of hire for all heavy equipment in the Northern Rockies is self-transported, i.e. EERA rates would include a daily rate for heavy equipment, a special rate for mileage, and a transport minimum guarantee (guarantee or mileage is paid, whichever is greater).
 - Vendors may not be required to provide transport, but dispatch will retain the right to withdraw the resource order if they are not capable of providing own transport
 - Vendors accepting the order including transport must have an agreement in place that covers transport costs, including a mileage rate and a transport minimum daily guarantee. Payment for transport is included on the heavy equipment use invoice (OF-286) at either the transport minimum daily guarantee OR mileage rate, whichever is greater – a separate “E” number is not issued for the transport.
 - For mobilization and demobilization time under hire of less than eight hours, apply one half of the daily guarantee or mileage, whichever is greater (mileage rate is not reduced).
 - If there is a single operator for heavy equipment and the transport, the transport will be paid at 65% of the transport minimum daily guarantee; mileage rate is not reduced.
 - Formula for calculating payment when transport is ordered Double Shift (DS) with one shift fully operated and second shift unoperated (operator is operating both heavy equipment and transport):

Step	Calculation
Step 1	$(\text{Transport Guarantee} \times 165\%) / 2 = \text{per shift fully operated rate}$
Step 2	Unoperated shift calculated at: $\text{per shift fully operated rate} \times 65\%$ (or .65) = unoperated shift rate
Step 3	Fully operated shift rate + unoperated shift rate = double shift transport with one operator
Example using \$1500 Transport Guarantee	<ul style="list-style-type: none"> • $\\$1500 \times 165\% = \\$2475 / 2 = \\$1237.50$ • $\\$1237.50 \times 65\% = \\804.37 • $\\$1237.50 + \\$804.37 = \\$2041.87$

- **DAILY RATE:** Payment will be made on basis of calendar days (0001-2400). For fractional days at the beginning and ending of time under hire, payment will be based on 50% of the Daily Rate for periods less than 8 hours.

- Transport rate should be commensurate with the size or requirement of equipment. If dispatch is not able to find a fully transported piece of heavy equipment, then a resource order will be offered to a piece of heavy equipment with the stipulation that the transport DPL will be used, and the first capable transport will be utilized. In this case a separate “E” number is issued and the government will track on shift tickets and process a separate use invoice as per normal payment procedures.
- NOTE: All regionally awarded heavy equipment agreements as well as most locally awarded heavy equipment agreements identify transport to and from incident as mandatory and rate is stated on the agreement.
- All equipment shall be thoroughly cleaned before arriving at an incident. Frames and cross-members will be inspected and all debris-collecting areas including belly pans, guards and coverings will be washed to alleviate the spread of noxious weed seeds and water borne pathogens, and to protect against grease and oil soaked residues catching on fire in belly pans and skid plates. Heavy equipment operators shall manually clean tracks and belly pans before leaving the project site. Water handling equipment crossing water-shed boundaries may have additional requirements to alleviate the spread of water borne pathogens; Reference NWCG publication “Guide to Preventing Aquatic Invasive Species Transport by Wildland Fire Operations” at www.nwcg.gov/publications/444

Equipment and Method of Hire National Standards – Deviations from the standard method of hire chart should be rare and well documented on the agreement to assure administration and payment is correct. Reference the NWCG SIIBM, Chapter 20, Exhibit 23.

Recommended Standard Language for Block 16 Special Provisions of Incident Only EERAs, choose statements that apply:

- **General and FAR clauses to the Emergency Equipment Rental Agreement are attached and incorporated herein. US DOL Wage Determination (WD) NO. 1995-0221 (Rev 46) and NRCG Chapter 20 supplement to the NWCG SIIBM is incorporated by reference. Full text of clauses, supplements, and applicable WD are posted at https://gacc.nifc.gov/nrcc/dispatch/equipment_supplies/agree-contract/agree-contract.htm**
- **Equipment and personnel must meet all minimum standard specifications as stated in the NWCG SIIBM Chapter 20 and NR Chapter 20 Supplement. All resources must pass a pre-use inspection; resources that do not pass are considered non-compliant and will not be paid.**
- **Any warranted procurement personnel may settle claims on matters pertaining to this agreement that are within their warrant authority.**

Recommended language for heavy equipment and transport using mileage with a guarantee as the transport rate. The HE rate is listed in the “Daily rate” column, the mileage is listed in the “Special” column, and the transport daily guarantee is listed in the “Guarantee” column.

- **Heavy Equipment (HE) with transport shall be compensated as follows:**
 - **one E Number**
 - **daily rate for HE paid for each day under hire**
 - **guarantee OR mileage (whichever is greater) for transport is paid each day the transport is retained. The incident may release the transport upon delivery of the HE**
 - **mileage is paid round trip for transports utilized only for mobilization and de-mobilization provided that transport returned to the location at time of hire**
 - **in the event there is a single operator for both the HE and transport, the transport daily guarantee is reduced to 65% (mileage rate is not reduced)**

UNIQUE ITEMS

Cellular Communication

Cell Phones

Refer to host agency Incident Business Operating Guidelines for specific guidance on use of all cell phones. Incident purchased phones are property of the incident host unit. Purchase minimum practical number of minutes for agency TracPhones.

Use of personal cell phones (including personal TracPhones and the recharging minutes) and satellite phones will not be reimbursed.

EERA AND I-BPA ADMINISTRATION

Documentation

All commercial motor vehicles shall have a current, periodic (annual) vehicle inspection, which meets the requirements of 49 CFR 396.17. A Commercial Vehicle Safety Alliance (CVSA) sticker dated within the past year may be substituted.

Contract Claims

Claims settlement is agency specific, and remains the responsibility of the incident agency. Procurement personnel, either on an Incident Management Team or a Buying Team, shall receive direction for claims resolution from the incident agency upon assignment. Claims resolution responsibility reverts back to the incident agency upon the release of assigned procurement personnel.

- Federal Government Claims. Unless limited by agency policy or the Agency Administrator, any federal agency claim may be settled by any federally warranted Contracting Officer acting within their warrant authority. Some agencies may require claims be reviewed by their legal department.
- State of Montana Claims. Claims arising under the jurisdiction of the State of Montana are negotiated by the responsible line officer or his or her designee, who must be on the

approved DNRC Signers List. For comprehensive information on handling claims against the DNRC, see the DNRC 300 Incident Business Management Manual at: <http://dnrc.mt.gov/divisions/forestry/fire-and-aviation/fire-business/forms-and-information> , or contact the Business Management Bureau, Forestry Division, Department of Natural Resources and Conservation, 2705 Spurgin Road, Missoula, Montana 59804; office phone: (406) 542-4300.

- State of Idaho Claims. Refer to the IDL Incident Business Operating Guide at www.idl.idaho.gov/fire/business/index.html
- State of North Dakota Claims. Claims against the state must be made in writing to the Director of Office of Management and Budget. The claim must be filed within 180 days of when the alleged incident was discovered or reasonably should have been discovered. Claim forms may be requested from the Office of Management and Budget, 600 East Boulevard Avenue, Department 110, Bismarck, ND 58505-0400; phone: (701) 328-4904.
- State of South Dakota Wildland Fire. <http://wildlandfire.sd.gov/admin/firebusinessmanagement.aspx>

EXHIBITS

Exhibit NR4 – EQUIPMENT AND METHOD OF HIRE REGIONAL STANDARDS

Exhibit NR5 – CLASSIFICATION OF COMMERCIAL DRIVER’S LICENSES

Exhibit NR6 – NORTHERN ROCKIES CONTRACT PERSONNEL REQUIREMENTS

Exhibit NR7 – AFTERMARKET EQUIPMENT CERTIFICATION FORM

Exhibit NR8 – INCIDENT EQUIPMENT REPAIR ORDER

EXHIBIT NR4 - EQUIPMENT AND METHOD OF HIRE GEOGRAPHIC AREA STANDARDS

HEAVY EQUIPMENT

AGRICULTURAL TRACTORS (with implements)

Minimum Standards for Types and Rates:

Type	Flywheel Horsepower	Fully Operated Daily Rate Single Shift (\$)	Fully Operated Daily Rate Double Shift (\$)
1	100+	1231	2031
2	50-99	987	1629

- Preferred method of hire for all heavy equipment is self-transported, reference pages 12-13, Heavy Equipment Transports
- All Heavy Equipment operators performing tactical duties are required to complete an annual light physical fitness test (walk 1 mile in 16 minutes or less).

BACKHOE

Minimum Standards for Types and Rates:

Type	Minimum Digging Depth	Flywheel Horsepower	Fully Operated Daily Rate Single Shift (\$)	Fully Operated Daily Rate Double Shift (\$)
1	18+ ft.	91+	1518	2505
2	15+ ft.	63-90	1008	1663
3	13+ ft.	40-62	900	1485

- Preferred method of hire for all heavy equipment is self-transported, reference pages 12-13, Heavy Equipment Transports

CHIPPERS

Minimum Standards for Types and Rates:

Type	Minimum inch diameter capacity	Minimum Flywheel Horsepower	Fully Operated Daily Rate Single Shift (\$)	Fully Operated Daily Rate Double Shift (\$)
1	18	180	1800	2880
2	13-17	110	1700	2720
3	9-12	48	1600	2560

- All types must be equipped with an in-feed mechanism
- Specify: self-propelled or tow- behind
- Optional: Boom feed if required
- Requires a minimum of 2 operators trained to OSHA standards
- All operating costs including fuel, maintenance, insurance, personnel, etc. is included in the daily rate.
- Preferred method of hire for all heavy equipment is self-transported, reference pages 12-13, Heavy Equipment Transports
- All Heavy Equipment operators performing tactical duties are required to complete an annual light physical fitness test (walk 1 mile in 16 minutes or less).

DOZER

Minimum Standards for Types and Rates:

Type	Flywheel Horsepower	Fully Operated Daily Rate Single Shift (\$)	Fully Operated Daily Rate Double Shift (\$)
1	200-320	2500	4000
2	100-199	1650	2650
3	50-99	1300	2080

- Dozers offering hydraulic angle tilt capability are preferred; rates listed may be negotiated up for this type of resource (a 5% premium is recommended).
- Preferred method of hire for all heavy equipment is self-transported, reference pages 12-13, Heavy Equipment Transports
- All Heavy Equipment operators performing tactical duties are required to complete an annual light physical fitness test (walk 1 mile in 16 minutes or less).

EXCAVATOR WITH THUMB

Minimum Standards for Types and Rates:

Type	Minimum Weight Class in Pounds	Flywheel Horsepower	Fully Operated Daily Rate Single Shift (\$)	Fully Operated Daily Rate Double Shift (\$)
1	50,000	156+	2065	3407
2	32,000	111-155	1773	2925
3	25,000	81-110	1420	2343
4	15,000	60-80	1240	2046

- Only Excavators with a Hydraulic Thumb or Clamshell bucket shall be ordered.
- Machines used in fire line construction or fire line rehabilitation in timber must have forestry-type operator cab guarding in place. This includes front window guarding further described in Heavy Equipment Requirements. Operator must have two available exits from cab.
- Preferred method of hire for all heavy equipment is self-transported, reference pages 12-13, Heavy Equipment Transports
- All Heavy Equipment operators performing tactical duties are required to complete an annual light physical fitness test (walk 1 mile in 16 minutes or less).

FELLER BUNCHER WITH BAR SAW OR ROTARY SAWS

Minimum Standards for Types and Rates:

Type	Flywheel Horsepower	Fully Operated Daily Rate Single Shift (\$)	Fully Operated Daily Rate Double Shift (\$)
1	226+	3010	4966
2	160 - 225	2600	4290

- Rates are based on a machine equipped with a Bar Saw capable of cutting 22-inch (and up) DBH trees with accumulator arm or Rotary (Hot) Saw capable of cutting 20 inch (and up) DBH trees with accumulator arm.
- Harvester heads will be negotiated under a separate agreement.
- Machines must meet state and federal safety regulations.
- Operator must be accompanied at all times by agency personnel qualified at or above the Firefighter 1 level.
- Preferred method of hire for all heavy equipment is self-transported, reference pages 12-13, Heavy Equipment Transports
- All Heavy Equipment operators performing tactical duties are required to complete an annual light physical fitness test (walk 1 mile in 16 minutes or less).

MULCHER –STRIP

Minimum Standards for Types and Rates:

Type	Minimum Hydraulic Flow Capacity	Minimum Flywheel Horsepower (Carrier)	Minimum Carrier Weight (lbs)	Fully Operated Daily Rate Single Shift (\$)	Fully Operated Daily Rate Double Shift (\$)
1	80 GPM	401+	26,000	3404	5616
2	60 GPM	200-400	24,000	2837	4681
3	50 GPM	111-200	14,000	2200	3520
4	30 GPM	80-110	6,000	1800	2880

- Rubber tired carriers are not acceptable within the Northern Rockies.
- Must have Operator guarding – Polycarbonate (Lexan) windshield or heavy screening over front windshield is acceptable
- Preferred method of hire for all heavy equipment is self-transported, reference pages 12-13, Heavy Equipment Transports
- All Heavy Equipment operators performing tactical duties are required to complete an annual light physical fitness test (walk 1 mile in 16 minutes or less).

MULCHER –BOOM MOUNTED

Minimum Standards for Types and Rates:

Type	Minimum Hydraulic Flow Capacity	Minimum Flywheel Horsepower (Carrier)	Minimum Carrier Weight (lbs)	Fully Operated Daily Rate Single Shift (\$)	Fully Operated Daily Rate Double Shift (\$)
1	60 GPMs	156+	50,000	2556	4217
2	38 GPMs	111-155	32,000	2275	3754
3	24 GPMs	80-110	24,000	1775	2930

- Must have Operator guarding – Polycarbonate (Lexan) windshield or heavy screening over front windshield is acceptable
- Rate assumes mulcher boom is mounted on an excavator as the platform; mulcher boom mounted on feller bunchers should default to feller buncher rates.
- Preferred method of hire for all heavy equipment is self-transported, reference pages 12-13, Heavy Equipment Transports
- All Heavy Equipment operators performing tactical duties are required to complete an annual light physical fitness test (walk 1 mile in 16 minutes or less).

PUMPER CAT (Hard Track)

Minimum Standards for Types:

Components	Type 1	Type 2	Type 3
Flywheel Horsepower Range	200-320+	100-199	50-99
Pump Capacity GPM @ PSI *	30 @ 70	30 @ 70	30 @ 70
Tank Capacity – Gallons **	500+	325-499	200-324
1 inch hardline with ¾-inch inside diameter hose on reel	150 ft.	150 ft.	150 ft.
1 inch linen hose	200 ft.	200 ft.	200 ft.
Personnel ***	1	1	1

Pumper Cats shall meet the same typing for Dozers.

* All pumps shall have pressure gauges that meet the minimum pump pressure rating.

** No fiberglass tanks or plastic tanks will be accepted. Tanks must be baffled in compliance with NFPA or American Society of Mechanical Engineers standards or other industry accepted engineering standards. Additional gallons are acceptable but must meet all standards.

***Pumper Cat and operator must be accompanied at all times by agency personnel qualified at or above the Firefighter 1 level.

Per recommendations from NWCG and NRCG and in response to AIS concerns, all water handling equipment must be equipped with a functioning foot valve on the draft hose. Additional mitigation measures may be required based on NWCG publication PMS-444 and/or direction from government AIS specialists.

Rates:

	Type 1	Type 2	Type 3
Fully Operated Daily Rate Single Shift (\$)	3000	1950	1500
Fully Operated Daily Rate Double Shift (\$)	4950	3217	2475

- Preferred method of hire for all heavy equipment is self-transported, reference pages 12-13, Heavy Equipment Transports
- All Heavy Equipment operators performing tactical duties are required to complete an annual light physical fitness test (walk 1 mile in 16 minutes or less).

ROAD GRADER

Minimum Standards for Types and Rates:

Type	Flywheel Horsepower	Fully Operated Daily Rate Single Shift (\$)	Fully Operated Daily Rate Double Shift (\$)
1	165+	1625	2681
2	120-164	1446	2385

- Preferred method of hire for all heavy equipment is self-transported, reference pages 12-13, Heavy Equipment Transports
- All Heavy Equipment operators performing tactical duties are required to complete an annual light physical fitness test (walk 1 mile in 16 minutes or less).

SKIDDER

Minimum Standards for Types and Rates:

Type	Flywheel Horsepower	Fully Operated Daily Rate Single Shift (\$)	Fully Operated Daily Rate Double Shift (\$)
1	176+	1885	3110
2	100-175	1550	2557
3	60-99	1080	1782

- Preferred method of hire for all heavy equipment is self-transported, reference pages 12-13, Heavy Equipment Transports
- All Heavy Equipment operators performing tactical duties are required to complete an annual light physical fitness test (walk 1 mile in 16 minutes or less).

SKIDGINE (Rubber Tire)

Minimum Standards for Types and Rates:

Type	Type-1	Type-2	Type-3	Type-4
Flywheel Horsepower Range	176+	75-175	100+	69-99
Pump Capacity* (GPM @ PSI)	50 @ 100	50 @ 100	30 @ 70	30 @ 70
Tank Capacity** (Gallons Minimum)	1200+	800-1199	400-799	200-399
1 inch hardline with ¾-inch inside diameter hose on reel	150 feet	150 feet	150 feet	150 feet
1 inch linen hose	300 feet	300 feet	200 feet	200 feet
1.5 inch linen hose	300 feet	300 feet	N/A	N/A
Personnel***	1	1	1	1

SK class shall meet the S class for skidders

*All pumps shall have pressure gauges that meet the minimum pump pressure rating.

**No fiberglass or plastic tanks will be accepted. All tanks must be certified and baffled in compliance with NFPA or American Society of Mechanical Engineers standards or other industry accepted engineering standards. Additional gallons are acceptable, but must meet all standards.

***Skidgine and operator must be accompanied at all times by agency personnel qualified at or above the Firefighter 1 level.

Per recommendations from NWCG and NRCG and in response to AIS concerns, all water handling equipment must be equipped with a functioning foot valve on the draft hose. Additional mitigation measures may be required based on NWCG publication PMS 444 and/or direction from government AIS specialists.

Rates:

Type	Type 1	Type 2	Type 3	Type 4
Fully Operated Daily Rate Single Shift (\$)	2601	2033	1900	1650
Fully Operated Daily Rate Double Shift (\$)	4291	3354	3134	2722

- Preferred method of hire for all heavy equipment is self-transported, reference pages 12-13, Heavy Equipment Transports
- All Heavy Equipment operators performing tactical duties are required to complete an annual light physical fitness test (walk 1 mile in 16 minutes or less).

SOFT TRACK

Minimum Standards for Types and Rates:

Components	Type 1
Flywheel Horsepower Range	170+
Pump Capacity* (GPM @ PSI)	30 @ 70
Tank Capacity** (Gallons Minimum)	600
1 inch hardline with ¾-inch inside diameter hose on reel	150 feet
1 inch linen hose	200 feet
Personnel***	1

*All pumps shall have pressure gauges that meet the minimum pump pressure rating.

**No fiberglass or plastic tanks will be accepted. All tanks must be certified and baffled in compliance with NFPA or American Society of Mechanical Engineers standards or other industry accepted engineering standards. Additional gallons are acceptable, but must meet all standards.

***Soft Track and operator must be accompanied at all times by agency personnel qualified at or above the Firefighter 1 level.

Per recommendations from NWCG and NRCG and in response to AIS concerns, all water handling equipment must be equipped with a functioning foot valve on the draft hose. Additional mitigation measures may be required based on NWCG publication PMS 444 and/or direction from government AIS specialists.

Rates:

	Type 1
Fully Operated Daily Rate Single Shift (\$)	2500
Fully Operated Daily Rate Double Shift (\$)	4125

- Preferred method of hire for all heavy equipment is self-transported, reference pages 12-13, Heavy Equipment Transports
- All Heavy Equipment operators performing tactical duties are required to complete an annual light physical fitness test (walk 1 mile in 16 minutes or less).

MODIFIED UTVs or SMIDGINES

*** NRCG will not develop standards or rates for modified UTVs or Smidgines (skid steers with tanks) in the Northern Rockies Geographic Area.**

TRANSPORT, LOWBOY

Current vendors and specifications can be found at:

https://gacc.nifc.gov/nrcc/dispatch/equipment_supplies/agree-contract/agree-contract.htm

The term "transport" or "lowboy" includes a truck tractor with trailer(s), or trucks with tilt beds. Trailers may be an enclosed van, flatbed, or lowboy-type for hauling heavy equipment.

When long haul transport services are required for trips greater than 500 miles one way, trucking companies offering commercial rates and invoicing shall be the method of hire.

Upon arrival at the incident, the transport is considered released unless directed to remain for on-incident use, by the Operations Section Chief in writing. Signed shift tickets are not adequate documentation for this purpose.

Transports that haul equipment not owned by the transport company are required to have Common Carrier Insurance.

When transporting between tariff locations by a licensed common carrier, shipments and payment shall be in accordance with appropriate established tariff. Federal and state agencies shall use a Commercial Bill of Lading (CBL) for shipments of this type.

When required by state law, the government, upon presentation of invoice or receipt, will reimburse the cost for pilot vehicles. Contractors are responsible for meeting all state requirements, such as weight restrictions and hauling permits.

TRANSPORT, LOWBOY – Rates:

TYPE	Load rating (lbs)	Mileage (\$)	Fully Operated Minimum Daily Guarantee (\$)	Fully Operated Double Shift Minimum Daily Guarantee (\$)
1	Loads over 70,000	5.00	1410	2327
2	Loads 35,001 to 69,999	4.50	1240	2046
3	Loads up to 35,000	4.25	990	1634

- Transports are paid the minimum daily guarantee OR mileage, whichever is greater
- If there is a single operator for both the heavy equipment and transport, the transport guarantee is reduced to 65% of the transport minimum daily guarantee. The mileage is not reduced. Reference pages 12-13 Heavy Equipment Transports.

REQUIREMENTS for Dozer, Excavator, Feller Buncher, Pumper Cat, Skidder, Skidgine, Soft Track, and Road Grader:

1. Heavy equipment used for line construction or line abolishment in heavy timber types must meet all applicable federal and state logging safety standards and must have operator protection guarding such as a forestry cab package with wire mesh or safety glazing that provides equivalent protection. Stand-alone safety glass does not provide equivalent protection as wire mesh. However, it may be used as part of the window glazing system. Note that polycarbonate windows are not “glass” and may be acceptable as a stand-alone window guard. Any machine cab meeting ISO 8084 or SAE 1084 would fulfill this requirement. This requirement does not apply to road graders.
2. The ***protective canopy*** shall be constructed to protect the operator from injury due to falling trees, limbs, saplings or branches which might enter the compartment area and from snapping winch lines or other objects. The rear portion of the cab on Dozers and Skidders shall be fully enclosed with open mesh material. The openings in the mesh should be of such size as to reject the entrance of an object larger than 2 inches in diameter. This covering shall be affixed to the structural members so that ample clearance will be provided between the screen and the back of the operator and shall provide maximum rearward visibility. Open mesh material shall extend forward as far as possible from the rear corners of the cab sides, to provide the maximum protection against obstacles, branches, etc., entering the cab area. Deflectors or sweeps, which may be part of the cab, shall be installed in front of operator area to deflect whipping saplings and branches. Deflectors shall be located so as not to impede visibility and access to the cab. This requirement does not apply to road graders.
3. Rollover Protective Structure (ROPS) meeting the applicable OSHA standards at time of manufacture or SAE J 1040 is required on all machines except for 360 degree swing machines.
4. 360 Degree Swing machines (Excavators, Feller Bunchers, etc...) shall have a factory enclosed cab constructed to OSHA standards at the time of manufacture. All machines that use attachments that have potential for chain shot or cutting tooth damage to the operator area must have protective glazing (Lexan) to protect the operator. Excavators used in line construction or line abolishment shall have protective screen or bars over the front of the cab acting as a deflector of brush and branches.
5. A manufacturer's nameplate certifying the operator enclosure or alternative documentation that the cab meets these provisions is required. Modification of factory ROPS/FOPS (Cutting/Welding) and any aftermarket ROPS/FOPS requires certification to ISO 3471, ISO 8082, or SAE J 1040.
6. Lighting (minimum: 2 forward on Feller Bunchers and Excavators and 2 forward and 2 rear on Skidders, Skidgines, Pumpercats and Dozers). Factory equipped lighting must be operational. All attachments to the parent machine must be illuminated for night operations. Lights must be mounted to the equipment in such a way to provide protection from damage and provide illumination beyond the blade or working area.

7. Underbody protection (belly pan, rock guards unless not recommended by manufacturer)
8. **Equipment Requirements** All equipment shall have:
 - a. An audible reverse warning device (backup alarm) of 87 decibel or greater measured at 5 feet behind and in the center of the equipment.
 - b. A fire extinguisher, multi-purpose 2A 10BC that is securely mounted to the vehicle and accessible by the operator. The fire extinguisher shall have a current annual inspection tag and the annual maintenance tag in regards to a 6 year annual inspection and every 12 years regarding a hydro test on all dry powder, metal fire extinguishers.
 - c. Shovel
 - d. US Forest Service-qualified spark arrester on all naturally aspirated engines
 - e. All factory guards shall be in place and in functional condition (i.e. engine compartment) (applicable for heavy equipment)
 - f. Radiator protection (applicable for heavy equipment)
 - g. Seat belts
 - h. Flashlight
 - i. Water, 1 gal drinking
 - j. 5-person first aid kit
9. **Skidders, Skidgines, Road Graders** are required to have tire chains, and if requested, must be made available by next operational period. Chains shall be inspected pre-use.
10. PPE as described under personnel requirements.
11. **In addition to the above: Dozers, Skidders, and Soft Tracks** may be equipped with rear-mounted log grapple or a towing winch with cable (indicate on EERA/I-BPAs if so equipped).
12. Heavy equipment modified to transport water, such as **Pumper Cats, Skidgines, Soft Tracks**, shall be configured in a manner that the center of gravity for the vehicle is within the design limits of the equipment. The contractor shall be responsible for providing certification from a professional mechanical engineer or other expert in the field of design engineering, establishing the fact that design limits of the equipment have not been compromised. Any and all additional modifications shall be re-certified. Water tanks shall also be certified as to actual size and having adequate baffles. Note: Cost for this certification has been figured into the daily rate.
13. **Pumper Cats, Skidgines, Soft Tracks** are not required to have rear-mounted grapples or logging winches with cable. If equipped with a grapple, the grapple must be secured to prevent hazards to individuals working with the Skidgine.

Additional information can be found on the NRCG web page at:

https://gacc.nifc.gov/nrcc/dispatch/equipment_supplies/agree-contract/agree-contract.htm

PERSONNEL REQUIREMENTS for Dozer, Excavator, Feller Buncher, Pumper Cat, Skidder, Skidgine, Soft Track, and Road Grader:

1. Annual Fireline Safety Refresher Training (RT-130) or equivalent.
2. All Heavy Equipment operators are required to complete an annual light physical fitness test (walk 1 mile in 16 minutes or less).
3. The following personal protective equipment is required and must be provided by the contractor:
 - Boots - All leather, lace-up type, minimum 8 inches high with lug-type sole in good condition (steel toed boots are unacceptable).
 - Hardhat - Plastic, class B, ANSI Z89.1, OSHA approved, with chinstrap. Note: Hardhat meeting NFPA Standard 1977, 1998 edition, is required.
 - Gloves - One pair per person, heavy-duty leather.
 - Eye protection - One pair per person (meets standards ANSI Z87.1, latest edition).
 - Headlamp - One lamp per person with batteries and attachment for hardhat.
 - Canteen - 1-quart size, two per person required, and four per person recommended (filled prior to arrival at incident).
4. The following equipment may be agency provided at the time of hire:
 - Fire Shelter - One serviceable shelter per person. **New Generation Fire Shelters are required for all personnel.**
 - Flame resistant clothing - Shirt and trousers for routine fireline duties. Flame resistant clothing must:
 - Self-extinguish upon removal from heat source.
 - Act as effective thermal barrier by minimizing conductive heat transfer.
 - Not melt or shrink to any appreciable degree upon decomposition during exposure to a high heat source.
 - Be manufactured from flame retardant treated (FRT) cotton, FRT rayon, FRT wool, aramid (Nomex), or other similar fabric.

CERTIFICATION - PUMPER CAT, SKIDGINE, SOFT TRACK

This certification is incorporated in and made part of Emergency Equipment Rental Agreement No. _____. The equipment listed herein meets all of the minimum requirements for the equipment type.

EQUIPMENT TYPE	SERIAL NO.	ENGINEERING CERTIFICATION (attach Exhibit NR7)
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The following individuals meet all the personnel and training requirements for the position listed.

NAME	POSITION
_____	_____
_____	_____
_____	_____

The personnel listed above shall be provided with the equipment, in the numbers required by the agreement and equipment typing configurations. The personnel and equipment qualifications are in accordance with NRCG Supplement to Chapter 20 of the NWCG Standards for Interagency Incident Business Management.

A copy of the Emergency Equipment Rental Agreement, along with this certification, shall be part of the payment packet.

I certify that the above-listed equipment meets the minimum typing standards for the type listed. I also certify that the above-listed personnel meet all of the qualification requirements for the position(s) listed.

_____ Government Official (Signature)	_____ Contractor Representative (Signature)
_____ Name and Title (Printed)	_____ Contractor Name (Printed)
_____ Home Unit	_____ Address
_____ Phone No.	_____ City, State
_____ Date	_____ Date

CHECKLIST / INVENTORY - PUMPER CAT, SKIDGINE, SOFT TRACK

Equipment Type _____

Serial No. _____

Engineering Certification _____

1. Pump Capacity (GPM/PSI) _____

2. Tank Capacity (Gallons) _____

3. Meets Personnel Standards _____

Complement Requirements

	Yes	No
2 each, 1 inch NPSH Nozzles—must do both fog and straight stream combination and shutoff (Plastic is acceptable)		
1 Pulaski		
1 shovel, size 0		
1 First Aid Kit (5 person)		
1 fire extinguisher (5BC or Better)		
1 Spanner wrench, combination 1 inch to 1 ½ inches		
1 reducer, 1 ½ inches NH Female to 1 inches NPSH Male		
1 reducer, 1 inch NPSH Female to ¾ inches garden hose male		
1 adapter, 1 inch NH Female to 1 inches NPSH Male		
1 adapter, 1 inch NPSH Female to 1 inch NH Male		
1 each, 1 inch double male NPSH		
1 each, 1 inch double female NPSH		
1 each, 1.5" forestry hose clamp		
5 gallons of fuel to operate pump for 12 hours		
1 each, Pump for filling tank with water or have drafting capabilities. If drafting, need 20 ft. of hard line suction hose with strainer or screened foot valve.		
1 each, ¼ turn adapter to 1 inch NPSH (1 female and 1 male each)		
Must have a 1 inch male NPSH tee for soft line attachment.		
Must have pressure relief or by pass valve in plumbing system.		
Tanks shall have a 4 inch minimum fill pipe		
Tank shall have a minimum 3-inch dump valve.		
Hose – 150 feet, 1 inch hardline with ¾ inch inside diameter hose on reel		
Hose – 200 feet, 1 inch linen hose		
Type 1 & 2 Skidgine Hose – 300 feet, 1 inch linen hose		
Type 1 & 2 Skidgine Hose - 300 feet, 1.5 inch linen hose		
Safety equipment, including approved spark arrester or exhaust system.		
Back-up alarm- 87 Decibel		
Seat belt for Operator		
2A-10BC fire extinguisher		

NOTE: Equipment not required by this list is carried at the contractor's own risk. Compensation will not be given for additional items. Please list additional items on the back of this form. Attach to OF 296.

CONFIGURED AS ABOVE THIS UNIT IS CLASSIFIED AS TYPE _____.

Contractor's Signature _____

Date _____

Inspector's Signature _____

Date _____

WATER HANDLING EQUIPMENT:

NOTE: The NRCG Operations Committee has elected not to solicit for tactical water tenders within the geographic area.

ENGINE

Minimum Standards for Types and Rates:

When typing equipment, all of the standards must be met to qualify the equipment. Failure to meet any standard, places the equipment in a lower type or disqualifies the equipment in its entirety.

All Engines, Water Trucks and Support Tenders hired per the terms in this handbook shall be able to be legally driven on highways under their own power and be able to travel at a minimum of 50 miles per hour.

Components	MINIMUM STANDARDS FOR TYPE						
	1	2	3	4	5	6	7
Tank Minimum capacity (gal)	300	300	500	750	400	150	50
Pump minimum flow (gpm)	1000	500	150*	50	50	50	10
@ rated pressure	150	150	250	100	100	100	100
Hose 2 ½ “	1200	1000	-	-	-	-	-
1 ½”	500	500	1000	300	300	300	-
1”	-	-	500	300	300	300	200
Ladder (feet)	**48'	**48'					
Master Stream 500 GPM	YES	YES					
Pump and roll	-	-	YES	YES	YES	YES	YES
Max GVWR (lbs)	-	-	-	-	26,000	19,500	14,000
Personnel (min)	4	3	3	2	2	2	2

- All types shall meet federal, state and agency requirements for motor vehicle safety standards, including all gross vehicle weight ratings when fully loaded.
 - All wildland engines (Types 3-7) shall be able to prime and pump water from a 10 foot lift.
 - All pumps shall have pressure gauges that meet the minimum pump pressure rating.
 - Type 3 engines shall be equipped with a foam proportioning system.
 - **This includes 24' extension ladder, 14' roof ladder and 10' attic ladder for a total of 48'.
- Per recommendations from NWCG and NRCG and in response to AIS concerns, all water handling equipment must be equipped with a functioning foot valve on the draft hose. Additional mitigation measures may be required based on NWCG publication PMS 444 and/or direction from government AIS specialists.

ENGINE – Rates:

Type		Number of Personnel Per Shift	Fully Operated Daily Rate Single Shift (\$)	Fully Operated Daily Rate Double Shift (\$)
1	Structural Engine I	4	2575	4414
2	Structural Engine II	3	2165	3712
3	Wildland Engine III	3	2058	3396
4	Wildland Engine IV	2	1591	2625
5	Wildland Engine V	2	1611	2659
6	Wildland Engine VI	2	1436	2370
7	Wildland Engine VII	2	882	1435

- Reference engine typing/requirements and engine checklist next page(s).
- Engine rate is to be used only when the equipment and personnel meet all requirements.
- Number of personnel is the minimum required per operational period (shift).
- Extra engine personnel: \$300.00 per day - ***must be ordered*** through the resource order process.

ENGINE REQUIREMENTS

Personnel Requirements for Engines:

1. Satisfactory completion of the NWCG arduous-duty work capacity physical fitness test.
2. All engines are required to have a NWCG 310-1 qualified single resource boss-engines and at minimum a Firefighter 2 on board (See Exhibit NR6 for training requirements)
3. Annual Fireline Safety Refresher Training (RT-130) or equivalent.
4. Introduction to National Incident Management System (IS-700a)
5. In addition, structural engine personnel shall have attended Firefighter 1 (NFPA Standard 1001 Professional Structural Firefighter Qualification) or equivalent, or be certified by the chief of their fire department as being able to perform at the NFPA Firefighter 1 level.
6. The following Personal Protective Equipment is required and must be provided by the Contractor:
 - Boots - All leather, lace-up type, minimum 8 inches high with lug type sole in good condition (steel toed boots are unacceptable).
 - Hardhat - Plastic, Class B, ANSI Z89.1, 1986, OSHA approved, with chinstrap. Note: Hardhat meeting NFPA Standard 1977, 1998 Edition, is required.
 - Gloves - One pair per person, heavy-duty leather.
 - Eye Protection - One pair per person (meets standards ANSI Z87.1, latest edition)
 - Head Lamp - One lamp per person with batteries and attachment for hardhat.
 - Canteen - 1-quart size, two per person required, four per person recommended (filled prior to arrival at incident).
 - Fire Shelter - One serviceable shelter per person. **New Generation Fire Shelters are required for all personnel.**
 - **Chain saw chaps (when applicable) – UL classified to NFPA 1977 (current edition) and USDA Forest Service specification 6170-4F or later**
 - Flame Resistant Clothing - Shirt and trousers for routine fireline duties, flame resistant clothing must:
 - Self-extinguish upon removal from heat source.
 - Act as effective thermal barrier by minimizing conductive heat transfer.
 - Not melt or shrink to any appreciable degree upon decomposition during exposure to a high heat source.
 - Be manufactured from flame retardant treated (FRT) cotton, FRT rayon, FRT wool, aramid (Nomex), or other similar fabric.

Other Engine Requirements:

1. Tank Baffling. The water tanks must be equipped with partitions that reduce the shifting of the water load. Engines shall have the water tank baffled in a manner that conforms to the NFPA Standard 1906, or the American Society of Mechanical Engineers standards or other industry-accepted engineering standards.

2. Inventory. At the time of hire, the contractor shall provide a complete inventory of the firefighting complement on the vehicle. A copy of the inventory shall be provided to the inspector and the procurement unit each time the vehicle is hired or reassigned to an incident.
3. At time of hire, contractor shall meet minimum standards.
4. Typing. When typing engines, all of the requirements for both equipment and personnel must be met to be acceptable and must be certified by a government fire expert. The government fire expert is defined as a government employee (local, state or federal) who through their regular employment, works with and is knowledgeable regarding this type of equipment. Equipment lacking this certification shall not be signed up. It shall be the contractor's responsibility to obtain the certification prior to dispatch.
 - When classifying Type 1 and 2 structural engines, a government fire expert will certify the equipment meets the minimum requirements specified in NFPA 1901.
5. Foam Units. Type 3-6 engines shall have foam capabilities. The government shall provide the foam or make reimbursement only for approved chemicals when provided by the contractor. A list of approved chemicals can be found at:
www.fs.fed.us/fire/tools_tech/index.html and <http://www.fs.fed.us/rm/fire>

If a Resource Order specifically requests and the engine is equipped with Compressed Air Foam System (CAFS), payment will be adjusted according to the hourly rates for the system shown below. Hourly use shall be documented on a shift ticket. Payment shall be for hours of **actual use** of the CAFS in addition to the daily rate for the engine.

Cubic Feet/Minute (CFM)	CAFS Allowance With Pump and Roll HOURLY RATE (\$)
35 – 50 CFM @ 150 PSI	25.00
51 – 85 CFM @ 150 PSI	42.00
86 – 120 CFM @ 175 PSI	56.00
121 – 200 CFM @ 175 PSI	70.00
201+ CFM @ 200 PSI	87.00

Foam Unit Criteria for CAFS:

- One GPM per one CFM MINIMUM water pump capacity at PSI rates required of the compressor.
- Pump & Roll 86+ CFM and above must have deck mounted cannon with stacked tips or adjustable tips.
- Pump & Roll 86+ CFM equipment must be able to pump water and foam while moving.
- CFM, GPM, PSI and foam flow gauges are required.
- Must be capable of injection of foaming agent into the water line at variable controlled rates on discharge side of pump (be proportional).
- System shall provide full foam delivery within 60 seconds after system is engaged.

- Operators shall be experienced and knowledgeable of system operation, and be capable of demonstrating their ability to operate the system.

Any other foam capabilities, such as eductor units (which siphon foam into the hose system), or when the foam is dumped directly into the tank, will not be accepted.

6. Vehicle Requirements.

When fully loaded (including operators and accessory equipment), engines will conform to manufacturer's gross vehicle weight rating (GVWR). **The vehicle GVWR/GAWR plate should be on the driver's side doorpost, driver's door, or in the glove compartment. If missing or illegible, the contractor shall provide a GVWR certificate from manufacturer stating front, rear and total GVWR.** This includes balancing the load in a manner that all axle weights comply with the manufacturer's gross axle weight rating. The contractor may be responsible for providing certification from a professional mechanical engineer or other expert in the field of design engineering, establishing the fact the design limits of the equipment have not been compromised.

- At time of hire, resource may be required to be fully loaded, with the contractor providing weight tickets for the load from a certified scale. The weight tickets will be by individual axle weight. All resources shall arrive at incident fire ready.

All vehicles shall be licensed to carry the GVW of the loaded unit. Private sector vehicles that require a CDL operator when operating on public highways shall be furnished with a licensed CDL operator at all times. Drivers will comply with DOT driving limitations found at: <http://www.fmcsa.dot.gov/>.

All vehicles hired as engines or water tenders must have brakes on all axles.

All vehicles 36,000 GVWR or greater shall be installed with an operator-controlled auxiliary braking system in addition to the service brakes (i.e., engine retarder, transmission retarder, driveline retarder, or exhaust retarder). All cargo and equipment not permanently attached to the vehicle shall be secured in accordance with requirements found in 49 CFR 393.

CERTIFICATION - ENGINE

This certification is incorporated in and made part of Emergency Equipment Rental Agreement No. _____ . The equipment listed herein meets all of the minimum requirements for the equipment type.

EQUIPMENT TYPE**LICENSE NO.****SERIAL NO.**

The following individuals meet all the personnel and training requirements for the position listed.

NAME**POSITION**

_____	_____
_____	_____
_____	_____
_____	_____

The personnel listed above shall be provided with the equipment, in the numbers required by the agreement and equipment typing configurations. The personnel and equipment qualifications are in accordance with NRCG Supplement to Chapter 20 of the NWCG Standards for Interagency Incident Business Management.

A copy of the Emergency Equipment Rental Agreement, along with this certification, shall be part of the payment package.

Failure to provide equipment meeting the equipment type above shall result in a downgrade of typing and a reduction in rate to the type level the equipment meets, as set forth in the NWCG Standards for Interagency Incident Business Management, NRCG Supplement Chapter 20. Failure of the equipment to meet a typing configuration, or to provide the personnel, shall be considered as withdrawing the equipment. Withdrawal shall be handled as set forth in the General Clause to the Emergency Equipment Rental Agreement, Clause 12.

I certify that the above-listed equipment meets the minimum typing standards for the type listed. I also certify that the above-listed personnel meet all of the qualification requirements for the position(s) listed.

Government Representative (Signature)_____
Contractor Representative (Signature)_____
Name and Title (Printed)_____
Contractor Name (Printed)_____
Home Unit_____
Address_____
Phone No._____
City, State_____
Date_____
Date

CHECKLIST / INVENTORY - ENGINE

Equipment Type _____

VIN No. _____

1. Pump Capacity (gpm at psi) _____
2. Tank Capacity (Gallons) _____
3. Hose 2.5 inch (Feet) (Type 1 and 2) _____
4. Hose, 1 ½ Inches (Feet) _____
5. Hose, 1 Inches (Feet) _____
6. Ladder (48 feet) (Type 1 and 2) _____
7. Master Stream (GPM) (Type 1 & 2) _____
8. Meets Personnel Standards _____
9. Tank Baffled _____
10. Back-up Alarm (87 decibels measured while standing 5 feet behind and in the center of vehicle) _____
11. A currently tagged, 2A-10BC fire extinguisher, _____
12. US Forest Service approved spark arrester on naturally aspirated engines _____

13. Minimum Complements:

2 nozzles, combination fog/straight stream, 1" NPSH female	
2 nozzles, combination fog/straight stream, 1 ½" NH female	
20 feet minimum suction hose with screened foot valve	
2 shovels, size 0	
2 pulaskis	
1 spanner wrench, combination 1" to 1-1/2"	
2 gated wyes, 1-1/2" NH threads	
4 reducers, 1-1/2" NH female to 1" NPSH male	
2 adapters, 1-1/2" NH female to 1-1/2" NPSH male	
2 adapters, 1-1/2" NPSH female to 1-1/2" NH male	
2 increasers, 1" NPSH female to 1-1/2" NH male	
1 double male, 1" NPSH threads	
1 double female, 1" NPSH threads	
1 double male, 1-1/2" NH threads	
1 double female, 1-1/2" NH threads	
1 forestry hose clamp (1 ½")	
1 ea. required - 5-gallon container for drinking water	
1 ea. required - first aid kit (five person)	
1 ea. required - set of three (3) reflectors	
1 ea. required - fire extinguisher (5BC or better)	
1 ea. set required - wheel chocks (meet industry standard)	
5-gallon min. fuel to operate pump and engine for 12 hours	
1 ea. required pump for water fill or have drafting capabilities	

Tire Tread Depth equal to or better than 4/32" on steer axle and 2/32" on remaining tires			
300 feet of 3/4-inch synthetic garden hose – 50 foot sections			
1 reducer, 1 inch NPSH to 3/4-inch GH			
2 adjustable nozzles 3/4 inch			
1 mop up wand with 3/4-inch receptor for hose			
1 gated wye, 3/4 inch			
5 inline ball valves, 3/4 inch			
	GVWR	Front Axle	Rear Axle
12. Chassis Manufacturer's GVWR			
13. Loaded Actual Weight (from certified scale)			

NOTE: Equipment not required by this list is carried at the contractor's own risk. Compensation will not be given for additional items. Please list additional items on the back of this form. Attach to OF-296.

CONFIGURED AS ABOVE THIS UNIT IS CLASSIFIED AS A TYPE _____ ENGINE.

Compressed Air Foam System _____ Metered Foam System _____ None _____

Length of Engine _____ Width of Engine _____

Contractor's Signature		Date	
Inspector's Signature		Date	

TENDER, WATER SUPPORT

Minimum Standards for Types:

When typing equipment, all of the standards must be met to qualify the equipment. Failure to meet any standard, places the equipment in a lower type or disqualifies the equipment in its entirety.

Components	Type 1	Type 2	Type 3
Tank Capacity (gal)	4000+	2500-3999	1000-2499
Pump min flow (GPM)	300	200	200
Off load capability (GPM)	300+	200+	200+
@ rated pressure (psi)	50	50	50
Pump and roll	none	none	none
Operators (minimum)	1	1	1

Rates:

	Type 1	Type 2	Type 3
Fully Operated Daily Rate Single Shift (\$)	1647	1400	1175
Fully Operated Daily Rate Double Shift (\$)	2717	2310	1939

- All support water tender operators are required to complete an annual light physical fitness test (walk 1 mile in 16 minutes or less).
- Per recommendations from NWCG and NRCG and in response to AIS concerns, all water handling equipment must be equipped with a functioning foot valve on the draft hose. Additional mitigation measures may be required based on NWCG publication PMS 444 and/or direction from government AIS specialists.

TENDER, WATER SUPPORT REQUIREMENTS

Personnel Requirements for Tender, Water Support:

1. Annual Fireline Safety Refresher Training (RT-130).
2. All Water Tender operators are required to complete an annual light physical fitness test (walk 1 mile in 16 minutes or less).
3. Current CDL with endorsements.

4. The following personal protective equipment is required and must be provided by the contractor:
 - Boots - All leather, lace-up type, minimum 8 inches high with lug-type sole in good condition (steel toed boots are unacceptable).
 - Hardhat - Plastic, Class B. ANSI Z89.1, 1986, OSHA approved, with chinstrap. NOTE: Hardhat meeting NFPA Standard 1977, 1998 Edition, is required.
 - Gloves - One pair per person, heavy duty leather.
 - Eye Protection - One pair per person (meets standards ANSI Z87.1, latest edition).
 - Head Lamp - One lamp per person with batteries and attachment for hardhat.
 - Canteen - 1-quart size, two per person required, four per person recommended (filled prior to arrival at incident).
 - Fire Shelter - One serviceable shelter per person. **New Generation Fire Shelters are required for all personnel.**
 - Flame Resistant Clothing - Shirt and trousers for routine fireline duties, flame resistant clothing must:
 - Self-extinguish upon removal from heat source
 - Act as effective thermal barrier by minimizing conductive heat transfer
 - Not melt or shrink to any appreciable degree upon decomposition during exposure to a high heat source
 - Be manufactured from flame retardant treated (FRT) cotton, FRT rayon, FRT wool, aramid (Nomex), or other similar fabric

Tender, Water Support Equipment Requirements:

1. Per recommendations from NWCG and NRCG and in response to AIS concerns, all water handling equipment must be equipped with a functioning foot valve on the draft hose. Additional mitigation measures may be required based on NWCG publication PMS 444 and/or direction from government AIS specialists.
2. Foam Units. The government shall provide the foam or make reimbursement only for approved chemicals when provided by the contractor. A list of approved chemicals can be found at www.fs.fed.us/fire/tools_tech/index.html
3. Water Tank Baffles. The water tanks must be equipped with partitions that reduce the shifting of the water load, including transverse baffles. Support water tenders shall have the water tank baffled in a manner that conforms to NFPA Standard 1906, or the American Society of Mechanical Engineers standards or other industry-accepted engineering standard.
4. Support water tenders shall have a spreader bar or equivalent that is capable of broadcasting an even spray of water across a road surface (must demonstrate at inspection).
5. All cargo and equipment not permanently attached to the vehicle shall be secured in accordance with requirements found in 49 CFR 393. Synthetic strapping will not be accepted.

6. When typing support water tenders, all of the requirements for both equipment and personnel must be met. In addition, a government fire expert must certify the equipment and personnel both meet the minimum requirements.
7. Inventory. At the time of hire, the contractor shall provide a complete inventory of the firefighting complement on the vehicle. A copy of the inventory shall be provided to the government fire expert and the procurement unit each time the vehicle is hired or reassigned to an incident.
8. Fully loaded tenders and trucks (including operators and complement) must conform to manufacturer's gross vehicle weight rating (GVWR) and gross axle weight rating (GAWR). This includes balancing the load in a manner that all axle weights comply with the manufacturer's gross axle weight rating. **The vehicle GVWR/GAWR plate should be on the driver's side doorpost, driver's door, or in the glove compartment. If missing or illegible, the Contractor shall provide a GVWR certificate from manufacturer stating front, rear and total GVWR.** The contractor may be responsible for providing certification from a professional mechanical engineer or other expert in the field of design engineering, establishing the fact the design limits of the equipment have not been compromised.
 - At time of hire, resource may be required to be fully loaded, with the contractor providing weight tickets for the load from a certified scale. The weight tickets will be by individual axle weight. All resources shall arrive at incident fire ready.
9. At time of hire, contractor shall meet minimum standards and shall be documented on the forms below.
10. Vehicles shall be licensed to carry the loaded GVW of the unit. Vehicles which require a CDL operator when operating on public highways shall be furnished with and operated by a licensed CDL operator at all times.
11. Modifications of tanks to meet GVWR must be permanent; overflow devices and water displacement devices are not allowed.
12. All vehicles hired as engines or water tenders must have brakes on all axles.
13. All vehicles 36,000 GVWR or greater shall be installed with an operator-controlled auxiliary braking system in addition to the service brakes (i.e., engine retarder, transmission retarder, driveline retarder, or exhaust retarder).

CERTIFICATION – TENDER, WATER SUPPORT

This certification is incorporated in and made part of Emergency Equipment Rental Agreement No. _____. The equipment listed herein meets all of the minimum requirements for the equipment type.

EQUIPMENT TYPE**SERIAL NO.****LICENSE NO.**

The following individuals meet all the personnel and training requirements for the position listed.

NAME**POSITION**

The personnel listed above shall be provided with the equipment, in the numbers required by the agreement and equipment typing configurations. The personnel and equipment qualifications are in accordance with NRCG Supplement to Chapter 20 of the NWCG Standards for Interagency Incident Business Management. All operators are required to have current CDL with endorsements.

A copy of the Emergency Equipment Rental Agreement, along with this certification, shall be part of the payment package.

Failure to provide equipment meeting the typing configurations or the above-named personnel shall void the payment schedule listed in Blocks 11, 12 and 13 of the agreement.

I certify that the above-listed equipment meets the minimum typing standards for the type listed. I also certify that the above-listed personnel meet all of the qualification requirements for the position(s) listed.

Government Representative (Signature)_____
Contractor Representative (Signature)_____
Name and Title (Printed)_____
Contractor Name (Printed)_____
Home Unit_____
Address_____
Phone No._____
City, State_____
Date_____
Date

CHECKLIST / INVENTORY – TENDER, WATER SUPPORT

Equipment Type _____

Serial No. _____

1. Pump Capacity (GPM) _____
2. Tank Capacity (Gallons) _____
3. Off Load Capacity (GPM) _____
4. Maximum Refill Time (Minutes) _____
5. Meets Personnel Standards _____
6. Baffled Tank _____
7. Back up Alarm (87 decibel measured while standing 5 feet behind and in the center of vehicle) _____
8. A currently tagged, 2A-10BC fire extinguisher _____
9. US Forest Service approved spark arrester on naturally aspirated engines _____

10. Complement Requirements:

1½ inch nozzle NH – combination; fog/straight stream (plastic or metal)	
1½ inch NH female to 1 inch NPSH male reducer	
20 feet suction hose (minimum) with screened foot valve	
Shovel, size 0	
Pulaski	
Spanner wrench, combination 1½ to 2½	
Adjustable hydrant wrench	
2 adapters, 1½ inches NPSH female to 1½ inches NH male	
2 adapters, 1½ inches NH female to 1½ inches NPSH male	
2 reducers, 2½ inches NH female to 1½ inches NH male	
1 double male, 1½ inches NH	
1 double female, 1½ inches NH	
1 gated wye, 1½ inches NH	
1 Forestry Hose Clamp - 2½ inches	
1 first aid kit (5 person)	
Reflectors (1 set of 3)	
Fire extinguisher (5BC or better)	
Wheel chocks (meets industry, standards for wheel chocks)	
Fuel to operate pump and engine for 12 hours (minimum 5 gallons)	
2 each, portable hand lights	
100 feet of 1½ inches cotton/synthetic hose, NH thread	
50 feet of 2½ inches cotton/synthetic hose, NH thread	
Discharge outlets: 2 each 1½ inches NH thread	
Discharge outlet, 1 each 2½ NH thread	
Tire Tread Depth equal or better than 4/32" on steer axles 2/32" on remaining tires	

	GVWR	FRONT AXLE	REAR AXLE
Chassis Manufacturer's GVWR			
Loaded Actual Weight (from certified scale)			

NOTE: Equipment not required by this list is carried at the contractor's own risk. Compensation will not be given for additional items. Please list additional items on the back of this form. Attach to OF-296.

**CONFIGURED AS ABOVE, THIS UNIT IS CLASSIFIED AS A TYPE _____
WATER TENDER.**

Contractor's Signature		Date	
Inspector's Signature		Date	

TRUCK, GRAY WATER

Current vendors and specifications can be found at:

https://gacc.nifc.gov/nrcc/dispatch/equipment_supplies/agree-contract/agree-contract.htm

The government is responsible for locating sites for disposal of wastewater. Contractor is responsible for all permits. Disposal fees will be reimbursed based on actual receipts. Gray water trucks must possess a current DOT Mechanical Inspection. Gray water trucks shall not be utilized as a Tender or a Water Truck.

Rates

Type	Size	Fully Operated Daily Rate (\$)
1	1000+ gallons	1300
2	500-999 gallons	900

TRUCK, POTABLE WATER

Potable Water Trucks should be hired through local commercial sources. The government may be responsible for the water source.

ALL OTHER EQUIPMENT**EMERGENCY MEDICAL SERVICES**

Preferred method of hire is fully operated commercial rates. Use daily rate and provide for reimbursement for the expendable supplies not associated with patient transport. Ambulances shall meet local and state rules, regulations and licensing requirements where such exist. The age, condition, and configuration of ambulances vary significantly and directly impact the operational costs.

This section applies to private ambulances, EMTs/Paramedics, and Fireline Qualified EMTs/Paramedics only. If using local government ambulances, EMTs/Paramedics, and Fireline Qualified EMTs/Paramedics, refer to Chapter 50.

GROUND AMBULANCES

ALS and BLS standards are defined by state rules, regulations, and licensing requirements.

Type	Level of Care
ALS	Advanced Life Support
BLS	Basic Life Support

Contractor must produce the following for ambulances being offered for incident only agreements:

- a) Copy of individual EMTs/Paramedics Emergency Care provider Certifications/Licenses specific to the state where the individual will be performing emergency medical care services.
- b) Copy of any relevant state required Medical Service Provider License (transport).
- c) Copy of any relevant state required ambulance permits.
- d) Letter from medical director that gives vendors EMTs/Paramedics authority to provide medical care on wildland fire incidents within the state of required performance.
- e) Inventory list with restocking fees.

When an ambulance is mobilized to transport a patient to a medical facility while under agreement, the ambulance reverts to their normal billing procedures for the medical incident, which would include a loaded mileage rate. For all patient care and transport, the ambulance will submit a bill to the patient's appropriate home agency for workers compensation billing. No further payment will accrue from the time an ambulance begins transporting a patient from the incident until returning to the incident after delivering the patient to a medical facility. For those calendar days that include patient transport, payment will be based on the hours the resource was available to the incident as documented on the shift ticket versus the designated shift, as shown in the Incident Action Plan. Medical transports and times shall be documented on the shift ticket and shall be turned into Finance Section for documentation purposes.

A daily rate is not a 24-hour shift; there is no standby or on-call addition to a daily rate. If an ambulance is required for a 24-hour period a double shift must be ordered and two crews must be provided.

Patient transports outside of the standard shift on an occasional basis does not qualify as a double shift.

Emergency Care Provider License Verification Sites:

Montana

<http://dphhs.mt.gov/publichealth/EMSTS/emsservices>

Idaho

http://healthandwelfare.idaho.gov/Portals/0/Medical/EMS/agency_contact_list_for_website.pdf

INDIVIDUAL EMTS/PARAMEDICS AND/OR FIRELINE QUALIFIED EMTF/AEMF/EMPF

EMT, AEMT, and Paramedic standards are defined by state rules, regulations, and licensing requirements.

Level of Care	Level of Care, Fireline Qualified
Emergency Medical Technician Basic (EMTB)	Emergency Medical Technician basic, Fireline (EMTF)
Advanced Emergency Medical Technician (AEMT)	Advanced Emergency Technician, Fireline (AEMF)
Paramedic (EMTP)	Paramedic, Fireline (EMPF)

Contractor must produce the following for each individual EMT/Paramedic and/or EMTF/AEMF/EMPF being offered for incident only agreements:

- Copy of individuals Emergency Care provider Certifications/Licenses specific to the state where the individual will be performing emergency medical care services.
- Letter from medical director that gives vendors EMTFs/AEMFs/EMPFs authority to provide medical care on wildland fire incidents within the state of required performance.
- Copy of individual EMTFs/AEMFs/EMPFs verified fireline qualifications if applicable (EMTF, AEMF, EMPF)
- Inventory list with restocking fees.

Fireline qualified EMTFs/AEMFs/EMPFs must meet training requirements for Firefighter Type 2 Position (FFT2) per current version of NWCG PMS 310-1 found at www.nwcg.gov/publications/310-1

Fireline qualified EMTFs/AEMFs/EMPFs must come with an off road capable vehicle that has high clearance and is 4-wheel drive. These vehicles are to be used only for transport to and from the fireline, and are not to be used for patient transport.

Emergency Medical Technician License Verification Sites:

Montana

<https://ebiz.mt.gov/pol/>

Idaho

<https://www.idahoemslicense.net/public/idaho/lookup/>

FALLER (SINGLE) AND FALLER MODULES

Single Faller and Faller Module should provide verifiable proof of experience. Rate shall include equipment, operating supplies, appropriate insurance and transportation with off road capability.

A Faller Module is comprised of two fully equipped professional sawyers

Must provide proof of liability insurance, Workers' Compensation insurance or exemption. Annual Arduous duty a Work Capacity test and RT-130 Safety refresher is required. Chain saw chaps must meet UL classification to NFPA 1977 current edition and USDA Forest Service specification 6170-4F (minimum).

	Daily Rate
Single Faller	1010
Faller Module (Two Fallers)	2000

OFFICE, MODULAR

Use daily, weekly or monthly commercial rates, generally paid by commercial invoice.

Should include set up, take down, OSHA approved steps for all doors.

Mobilization and demobilization mileage may apply

PACK AND SADDLE STOCK

Use commercial rates

Fully equipped pack and saddle stock must be signed up with packer(s). Costs of transporting stock to designated locations may be paid as a separate item. Contractor is responsible to provide feed and veterinary expenses. Contractor must provide and use weed-free hay only.

PUMP, PORTABLE

Type	Un-operated Daily Rate (\$)	
1	140	Trailer-mounted low-pressure/high-volume pump producing a minimum volume of 500 GPM. Contractor provides intake and discharge hose.
2	66	Small low-volume/high-pressure portable pumps with intake hose, capable of being transported by one or two people. Pumps in this category are the Mark 26, Mark III and Gorman Rupp, or similar type pumps.
3	38	Small low-pressure/high-volume portable pump that can be transported by one or two people. These pumps are similar to a Homelite or Honda trash pump.

Per recommendations from NWCG and NRCG and in response to AIS concerns, all water handling equipment must be equipped with a functioning foot valve on the draft hose. Additional mitigation measures may be required based on NWCG publication PMS 444 and/or direction from government AIS specialists.

RAPID EXTRACTION MODULE SUPPORT (REMS)

Northern Rockies Rapid Extraction Module Support specification and guidance created for 2019, posted to NRCG Business Committee website.

TENDER, FUEL

Current vendors and specifications can be found at:

https://gacc.nifc.gov/nrcc/dispatch/equipment_supplies/agree-contract/agree-contract.htm

1. The preferred method of hire is a daily rate with the contractor providing the operating supplies, one operator per shift, and the requirement to process credit cards in the field.
2. Vendors shall process credit cards for payment of fuel procured by all resources at the work site. The list of credit cards that must be accepted by the fuel vendor is posted on the NRCG contracting website.
3. A contractor who cannot provide credit card service may be used only after all other resources have been exhausted. The fuel tender operator must complete Emergency Equipment Fuel and Oil Issue tickets, OF-304, and reconcile them with the finance section on a daily basis. When the contractor provides the fuel to government and contract vehicles, the agreement should state the basis of payment for the dispensed fuel, oil and miscellaneous products.

4. Fuel tender shall be fully registered as a commercial vehicle and be current with all DOT, EPA and state inspection requirements. Vehicles which require a CDL operator when operating on public highways shall be provided with a qualified operator at all times.
5. Fuel tender must have:
 - a. Fire extinguisher, 10BC or better.
 - b. Chock blocks of appropriate size for tire diameter.
 - c. Flashlight.
 - d. Electric back-up alarm, minimum 87 decibels measured while standing 5 feet behind and in center of the vehicle.
 - e. Reflectors, one set of three.
6. Fuel tender dispensing system must be designed to prevent the wrong product from being dispensed, e.g. gasoline being introduced into a diesel-powered vehicle due to the dispensing system not being completely drained from the previous fueling. A separate dispensing system for each product carried is required.
7. Fuel tender shall contain a certified meter to measure accurate deliveries.
8. Spill containment kits are required and must meet state hazardous materials containment requirements. No separate payment will be made for nursing tender or spill containment kits.

Rates:

Type	Size	Fully Operated Daily Rate Single Shift (\$)	Fully Operated Daily Rate Double Shift (\$)
1	2500+ gal	1661	2741
2	1500-2499 gal	1515	2500
3	1000-1499 gal	1369	2259

- Fuel will be paid at the current bulk fuel price. Per gallon price will be established at the time of hire and shall be displayed in a visible fashion. Due to the rapidly changing nature of fuel prices, no guarantees can be made for prices of fuel and the contractor has the right to charge what is fair and accurate based on the bulk fuel price.
- **For scheduled partial days (for example, mornings and/or nights), a negotiated hourly and mileage rate may be established not to exceed daily rate.**

TENTS

Minimum Standards:

1. Type 3 tent sizes: 501- 700 square feet
2. Type 4 tent sizes: 200- 500 square feet
3. Meet the requirements of NFPA 101 Life Safety Code, NFPA 102 Standard for Grandstands, Folding & Telescopic Seating,
4. Tents, and Membrane Structures; and all tent fabric shall meet the flame propagation performance criteria contained in NFPA 701.
5. Must have a minimum 50 MPH wind load rating, with proper staking.
6. Cooling unit (required for Type 3 and 4 Tents at no additional compensation) adequate to maintain a temperature 15 degrees less than the outdoor temperature. The vendor will be required to provide power to the cooling unit from the power source identified in #10 below.
7. Water and slip resistant flooring
8. Freestanding with self-supporting internal frame, minimum six-foot (6') sidewalls (no center poles)
9. Adequate artificial lighting for office environment
10. The Government (incident personnel) will bring power to the outside of the tent and the vendor will be required to supply the electrical connections to attach to that power source.
11. All extension cords must meet the testing and requirements of the Underwriters Laboratories (UL) and the Occupational Safety and Health Administration (OSHA). All cords must be three pronged, stamped for exterior use and have the letters SJTW stamped in the cord covering (S=Service Grade, also means extra hard service when not followed by J, V, or P; J=Hard Service; T=Thermoplastic; W=Outdoor- includes sunlight resistant jacket and wet location rated conductors (formerly "W-A")). The maximum length of each individual cord is 100 feet and the minimum wire size is 14 gauge. A minimum of (4) four, exterior approved power outlets connected to a generator or local utility company to supply electricity for lighting, cooling and to small appliances such as laptop computers, printers, and chargers for phones or iPads. All electrical outlets must be protected with a Ground Fault Circuit Interrupter (GFCI) at the power source.
12. Windows with clear panel view, screened, and privacy flap.
13. Doors (hinged, framed), minimum size (Type 3 - 46" W x 72" H) (Type 4 - 30" W x 72" H)
14. Relocation means moving a tent from one location to another, moving panels or doors does not constitute relocation.

15. Set-up must be completed in accordance with industry standards, within 12 hours after arrival at camp, unless otherwise negotiated.
16. Takedown must be completed in accordance with industry standards, tents shall be removed within 12 hours after the time of release, unless otherwise negotiated.
17. Company's name and a unique identification number (min. 4") shall be affixed to the tent in a conspicuous location.
18. The Contractor is not required to provide daily maintenance of equipment; however shall provide basic operating instructions for any equipment.

Rates:

TYPE	Daily	Weekly	Monthly	Relocate
3	275	1600	4000	575
4	200	1200	3000	500

Mileage: Mileage will be paid based on \$.50 per tent per mile and with total miles being one round trip (mobilization and demobilization). As an example, if the incident is 50 miles from the vendors listed address and seven tents were ordered, the mileage would be as follows:

$$(50 \text{ miles} \times 2) (7 \text{ tents} \times 50 \text{ cents}) = (100 \text{ miles}) (\$3.50) = \$350.00$$

Relocation: Each tent that is relocated will be paid the relocation fee if ordered by the incident.

TOILETS, PORTABLE

Use commercial daily rate, which includes delivery, pickup, servicing, plus mileage, if applicable.

TRANSPORTATION, BUS

1. Buses for Hire. For all buses, the incident agency shall be responsible for processing the payments.
2. Contractors/operators shall not exceed duty limitation hours set forth in Chapter 10 of the NWCG SIIBM.
3. The preferred method of procuring buses is fully operated. The contractor is responsible for meeting all state laws, including insurance coverage, for the state(s) in which an assignment is initially accepted or reassigned. All buses shall meet the insurance requirements of Department of Transportation (DOT) Regulation CFR 49 Part 387.33, which specifies a minimum \$5,000,000 insurance coverage.
4. Contracting for School-Type Bus Services.
 - All buses will have a date of manufacture 1999 or newer and meet the minimum FMVSS standards for ROPS and seat belts
 - The DOT and state law governs operator licensing. Each operator will have the appropriate commercial driver's license (CDL).
 - All buses shall have proof of current safety inspection.

Current safety ratings for contractors may be accessed at the following website: <http://www.safersys.org>, then click on "SAFER Database Queries"

All buses shall have the capability to safely transport personnel, packs and hand tools either internally or externally and shall have a minimum of 120 cubic feet of storage space. Internal cargo storage areas will be constructed of durable materials that can safely and securely hold a minimum of 5100 pounds of firefighting gear. The storage area shall be securely mounted to the body or frame of the vehicle. The device will be engineered for the protection of the passengers, with no sharp edges or unfinished areas that may cause personnel injury. All of the original emergency exits that were required when the bus was manufactured shall be in working order. Alternate or additional emergency exits are allowed but are not an acceptable replacement for the original emergency exits. All emergency exits shall be clearly identified and shall not be blocked by any portion of the cargo area. Cargo area door(s) may not block access to emergency exits at any time. A clear unobstructed path to all emergency exits shall be maintained at all times. Due to the wracking nature of off-road personnel carriers, storage areas shall be constructed as to withstand shifting cargo. Storage areas may be constructed of heavy weight ballistic nylon that is reinforced with heavy webbing that encapsulates the load, but netting is not approved. If the storage area is a cage like device then the frame shall be constructed of metal. The internal or external transport space must meet Federal Motor Carrier – Safety Regulations 392.62 (c) 1, 2, 3 Safe Operations. If the contractor chooses to provide a “chase vehicle” to transport packs/tools, it shall be at no cost or liability to the government. If the government is required to provide a “chase vehicle” to carry packs/tools because the bus cannot transport them, \$150/day will be

deducted from the contractor's invoice. Buses shall not transport flammable/combustible liquids, such as chainsaw gas, internally. Flammable/combustible liquids may be transported in a DOT approved external compartment. A chase vehicle for these items may be provided by the government.

5. **If the travel time to an incident will exceed 8 hours, the use of a coach bus is recommended for crew transport, Reference Northern Rockies Mobilization Guide Chapter 40.**
6. **Basis and Amount of Payment.** Payment for competed agreements and local EERAs/I-BPAs is based either on the mileage rate or the daily rate, whichever is greater. The host agency for the incident is the designated payment office. **NO BUS SHALL BE RELEASED OR REASSIGNED WITHOUT A COMPLETED EQUIPMENT USE INVOICE FOR THE INCIDENT THEY ARE LEAVING.**

TRANSPORTATION, BUS– Rates:

The preferred method of hire is commercial rental paid via commercial vendor invoicing.

Bus Type	Capacity	Fully Operated Mileage Rate (\$)	Daily Guarantee (\$)
Coach		3.37	43
School Type	22 or greater	3.27	18
School Type - Short	21 or fewer	3.50	800

- EERA Payment is based on either mileage rate or daily guarantee, whichever is greater.

TRUCK/TRAILER, REFRIGERATION

Use commercial rates when available

Onsite pickup and delivery rates may be in addition to the un-operated daily rate. Rates for truck-mounted refrigerator units will be significantly higher than trailer units and must be negotiated. Equipment must meet commercial standards for refrigerator trailers.

Should include OSHA approved steps for all doors.

TRUCK/TRAILER, REFRIGERATOR – Rates:

Type	Trailer Length	Un-operated Daily Rate (\$)
1	43+ feet	153
2	29 - 43 feet	124
3	20 - 28 feet	90

TRUCK, SERVICE (With Mechanic)

The rates are based on commercial heavy equipment service trucks that include field repair and maintenance as a major part of their normal business. The trucks are to be fully equipped with welder, cutting torch, compressor, and tools.

Type 1, diesel mechanic with heavy equipment service trucks, normally carry an auto crane with a capacity between 500 and 4,000 lbs., with more assorted mechanical tools, tool boxes, welder, cutting torch, air compressor that is around 180 psi at 20 cubic feet per minute, and specialized tools.

- Services provided by Type 1 service trucks may include but are not limited to changing tires, repair of steel tracks, repair of hydraulic hoses, fixing simple cracks in metal, removing and replacing heavy parts on equipment, and/or replacing bearings and seals. A generic diagnostic code reader is desirable.

Type 2, small engine mechanic with light service trucks normally carry limited mechanical tools, 10-ton lift jack, small portable air compressor, and limited specialized equipment for minor field repairs or maintenance.

- Services provided by Type 2, light service trucks, may include but are not limited to general troubleshooting and repair of passenger cars and trucks, changing tires, repair and carburetor adjustments on small engines, and/or replacing bearings and seals. A generic diagnostic code reader is desirable.

The contractor shall be responsible for keeping records (using Incident Equipment Repair Order form – reference Exhibit NR8) of services and supplies used in repairing vehicles. Repair order forms will be turned in to Finance after each operational period. These records are required by the government to charge contractors for government-provided services (\$90/hr., rounded to nearest ½ hr.) and supplies (actual supplies as identified on the Incident Equipment Repair Order Form).

TRUCK, SERVICE – Rates:

Type	Fully Operated Daily Rate Single Shift (\$)	Fully Operated Daily Rate Double Shift (\$)
1	1220	2013
2	1175	1939

- For additional mechanic, if ordered, increase daily rate by \$434 (single shift) and \$744 (double shift)
- Service truck is compensated at the **daily rate only**, and not through the repair rate charged by the government to individual contractors.

VAN, BOX

Use commercial rates

VEHICLE, ALL-TERRAIN (ATV) AND UTILITY TERRAIN VEHICLE (UTV)

Use commercial rates

UTV*

- Delivery and pickup negotiated separately.
- Negotiate trailer separately.
- Must have certified ROPS.
- Incident must provide operators who meet agency certification.
- Must be all wheel drive.

ATV

- Delivery and pickup may be negotiated separately
- Tie-downs and ramps are included in daily rate.
- Incident must provide operators who meet agency certification.
- Must be all wheel drive.
- No 3-wheel vehicles.
- No 2-stroke engines.

*** UTVs must be equipped with certified Rollover Protective Structures (ROPS) and used in conjunction with seatbelts. In accordance with safety standards, model Max IV UTV shall not be hired.**

VEHICLE, COMMERCIAL RENTAL

1. Consideration should be given to weekly or monthly rates when determined to be more economical. See NWCG SIIBM, Chapter 10 for more information on vehicle rental.
2. When negotiating with national rental companies, ensure the vendor understands the vehicles may be used off-road. Therefore, the preferred method of hiring vehicles is on the EERA/I-BPA form. The purchase card may also be used for agencies other than the Forest Service. If the purchase card is used, the cardholder shall consider:
 - how the vehicles will be closed out at the end of the cardholder's assignment,
 - that use is for ALL government employees and
 - the process for claim settlement that may result from the rental.
3. It is recommended the procurement officer determine ownership and review the vehicle license and registration.
4. Equipment shall be equipped with spare tire, wheel wrench, and jack.

5. Vehicles shall be in good condition and meet all state and local laws for operation on public roads.
6. Vehicle cleanup after use should be addressed at the time of signup. The government has the option of cleaning the vehicles before final inspection or providing compensation to the vendor for cleanup. The preferred method is for the vendor to include cleanup in the pricing.

VEHICLE, PRIVATELY OWNED

There are two standard methods of hire:

Un-operated: daily rate plus mileage rate.

- The government provides operating supplies.
- Agencies must adhere to their policies regarding hiring of drivers and equipment.

Fully operated: daily rate plus mileage rate.

- The vendor provides all operating supplies, equipment, transportation, lodging, personnel, and supervision and management of those personnel
 - Duties of a driver vary but may include the delivery of people and/or supplies
- Vendors entering into fully operated vehicle agreements should assure their insurance coverage includes commercial liability coverage sufficient to comply with agreement requirements, i.e. hauling cargo, transporting people, etc. Proof of insurance coverage is required at time of inspection. Reference FAR 52.247-21.
 - The vendor assumes responsibility for all damage or injury to persons or property
 - The vendor shall maintain adequate public liability and property damage insurance
 - The vendor shall maintain Workers' Compensation and other legally required insurance

AUTOMOBILE – Rates:

	Un-operated Daily Rate (\$)	Un-operated Mileage Rate	Fully Operated Daily Rate (\$)	Fully Operated Mileage Rate (\$)
Sedans, midsize or larger	48	.16	335	.42

PICKUPS, 4X2 – Rates:

	Un-operated Daily Rate (\$)	Un-operated Mileage Rate	Fully Operated Daily Rate (\$)	Fully Operated Mileage Rate (\$)
Compact	37	.15	324	.44
½ ton	44	.19	331	.52
¾ ton	49	.22	336	.57
1 ton	60	.35	347	.62

PICKUPS, 4X4 – Rates:

	Un-operated Daily Rate (\$)	Un-operated Mileage Rate	Fully Operated Daily Rate (\$)	Fully Operated Mileage Rate (\$)
Compact	44	.19	331	.46
½ ton	49	.22	336	.54
¾ ton	55	.24	342	.60
1 ton	68	.35	355	.62

SPORT UTILITY – Rates:

	Un-operated Daily Rate (\$)	Un-operated Mileage Rate	Fully Operated Daily Rate (\$)	Fully Operated Mileage Rate (\$)
Compact	53.00	.15	340.00	.48
½ ton	58.00	.19	345.00	.54
¾ ton	65.00	.22	352.00	.60

TRUCKS, STAKESIDE/STOCK – Rates:

	Size	Un-operated Daily Rate	Un-operated Mileage Rate (\$)	Fully Operated Daily Rate	Fully Operated Mileage Rate (\$)
8,500-12,000 GVW	9-foot platform and up	67.00	.37	354.00	.62
12,001-14,5000 GVW	12-foot platform and up	78.00	.43	365.00	.65
14,501-21,000 GVW	12-foot platform and up	92.00	.48	379.00	.72
21,000+ GVW	12-foot platform and up	104.00	.53	391.00	.85

VANS, PASSENGER – Rates:

IN ACCORDANCE WITH AGENCY POLICY, VANS CLASSIFIED AS 15 PASSENGER SHALL NOT BE HIRED.

	Un-operated Daily Rate (\$)	Un-operated Mileage Rate	Fully Operated Daily Rate (\$)	Fully Operated Mileage Rate (\$)
Mini, 7 pass	55.00	.24	342.00	.48
½ ton, 8 pass	60.00	.27	347.00	.54
¾ ton, 12 pass	65.00	.32	352.00	.60

WATER TANK - PORTABLE, SELF-STANDING

Capacity	Un-operated Daily Rate (\$)
2,000-3,000 gallons	95.00
1,000-1,999 gallons	65.00

WEED WASHING UNITS**Responsibilities:****1) The Jurisdictional Agency will:**

- a. Determine weed wash needs and type of unit(s) used and area(s) of placement.

2) The Government will:

- a. Provide wash water to the wash site
- b. Remove waste water
- c. Remove solid waste or designate an appropriate disposal site
- d. At the Government's discretion, inspect washed equipment to ensure that the wash station meets agreement requirements. If the wash station does not meet the expectations of the government, it may be removed and replaced with a different system
- e. Document contractor performance on a performance evaluation form (ICS-224)

3) The Contractor shall:

- a. Thoroughly wash all vehicles and equipment to remove all soil, plant parts and seeds. Vehicles and equipment include, but are not limited to, fire engines, heavy equipment, logging equipment, transports, pickups, SUVs and sedans.
- b. Ensure that contractor services include, but are not limited to, the removal of all mud, caked dirt, and vegetative parts off the undercarriage, cross members, frame, skid plates, belly pans, wheels, treads, tracks, suspension, bumpers, wheel wells, radiator grills, and the ledges on the inside of rear and front bumpers.
- c. Visually and manually inspect hard to reach areas to ensure they are clean.
- d. Inspect and wash all soil and plant parts off of drafting hoses and drafting gear on engines, water tenders, and all heavy equipment that carry water (i.e.: skidgines, pumper cats and soft tracks).
- e. Ensure that the system used does not cause damage to the paint or electrical connections of vehicles and equipment being washed
- f. Keep the wash station in repair and fully operational during the designated assignment
- g. Capture, package and label solid waste in secure, easily transportable containment packages/devices, approved by the government representative at the incident, and place them at a location specified by the government. Containers/packages of solid waste shall weigh no more than 50 lbs. each.
- h. Maintain a daily record of all washed vehicles. The contractor shall use government forms, if required by the government.

4) The Contractor shall not:

- a. Dispose of solid waste unless an acceptable site is designated by the government for the waste to be disposed of; otherwise this is the responsibility of the government (the intent is to ensure proper disposal).

5) Weed Wash Containment Station Equipment

- a. Wash systems may be high pressure with low volume or low pressure with high volume. High pressure systems have water pressures designated above 1000 pounds per square inch (psi), while high volume systems deliver 10 gallons of water per minute or more. The vendor may use a high pressure/low volume or high volume/low pressure system.

Type 1	Self-Contained with Recycling Water System
Type 2	Self-Contained with Non-Recycling Water System

- Standard method of hire: Fully operated daily rate includes delivery, pickup, servicing, and mileage.

Type 1: Self-Contained with Recycling Water System

- a) Portable commercial power washers with two hand-held, high pressure wands/nozzles. These nozzles must be suitable to wash 100% of the underbody surfaces.
- b) Underbody washer. The underbody washing system must have nozzles that can be directed to within 45 degrees of vertical. The spray from these nozzles must be able to cover 100% of the underbody surfaces.
- c) A water source or storage tank. The water source or tank shall have adequate capacity to operate the wash system continuously for a minimum of two hours.
- d) Waste water shall be contained by the wash system. All wash residues shall be removed from the tracking surfaces of the vehicle being washed before vehicle exits system to prevent contamination to the exiting vehicle
- e) Wash water shall be filtered to a maximum particle size of 100 microns, or use a clean water final rinse. Contractor is responsible for maintaining the quality of the recycled water to ensure clean and safe washed equipment. Contractor shall maintain the containment system in a functional condition at all times. Prior to disposal, all waste water shall be filtered to 100 microns or smaller particle size. Waste water must be disposed of in accordance with wastewater requirements of the authority having jurisdiction.
- f) Contractor shall place solid waste in a secure, easily transportable (not to exceed 50 lbs.) containment device in consultation with the ground support or resource unit on the incident. Solid waste shall be disposed of by the host agency unless an appropriate disposal site has been identified by the government. In that case, the contractor shall dispose of the solid waste at this designated site.
- g) Process time to wash a single wildland fire engine shall not exceed 5 minutes average for any 10 fire engines (i.e., 12 engines per hour).
- h) The contractor shall provide at least two (2) skilled operators to perform operations. The operators shall be knowledgeable in the safe operation, maintenance and repair of the wash system. These personnel shall be present at all times during the incident operational periods, and are responsible for the safe operation of the weed wash station.

- i) The wash system must be able to accommodate equipment up to 10' wide.
- j) Two (2) 1000-watt halogen work lights on stands and FGI module.
- k) The wash system must comply with all applicable OSHA regulations related to operator safety and all segments of the washer must be in operating condition with no missing parts. All alternating current electric motors must be listed with Underwriters Laboratory.
- l) Generator sufficient to power all operational needs.

Type 2: Self-Contained with Non-Recycling Water System (this may be a direct-draining or remote discharge system)

- a) Portable commercial power washers with two (2) hand-held, high pressure wands/nozzles. These nozzles must be suitable to wash 100% of the underbody surfaces.
- b) A wash water storage tank. The wash water storage tank shall have adequate capacity to operate the wash system continuously for a minimum of two hours.
- c) Waste water shall be disposed of in accordance with waste water requirements of the authority having jurisdiction.
- d) Remote discharge systems shall have an adequate means to pump all waste water at least 200' from the wash station. Prior to disposal, all waste water shall be filtered to a minimum of 100 microns or smaller particle size, or through dewatering bags fabricated from Amoco 4553 or equivalent geotextile cloth, having a maximum apparent opening size of 150 microns.

Alternate: At the discretion of the jurisdictional agency a contractor may use an impermeable containment mat and pump the waste water to a better drainage area if they first filter it through Amoco 4553 or equivalent geotextile bags at the discharge end.

- e) Direct draining systems shall utilize Amoco 4553 or equivalent geotextile cloth, having a maximum apparent opening size of 150 microns. This cloth shall withstand heavy truck traffic. A 15' wide by 40' piece shall be supplied by the contractor and shall be installed on a pad of gravel or a well-drained surface that is provided by the host agency. Contractor shall maintain the mat in a functional condition at all times. All solid waste greater than 150 micron size, including all geotextile cloth pieces, shall be placed in a secure, easily transportable containment (not to exceed 50 lbs.) device in consultation with the ground support or resource advisor on the incident. Solid waste shall be disposed of by the host agency unless an appropriate disposal site has been identified by the government. In that case, the contractor shall dispose of the solid waste at this designated site.
- f) Process time to wash a single wildland fire engine under normal conditions shall not exceed eight (8) minutes average for any 10 engines (i.e., 7.5 engines per hour).
- g) The contractor shall provide at least two (2) skilled operators to perform operations. The operators shall be knowledgeable in the safe operation, maintenance and repair of the wash system. Operators shall be able to demonstrate knowledge, skills and abilities to manage all waste products from the washer system. These personnel shall be present at all times during the incident operational periods, and are responsible for the safe operation of the wash station.
- h) The wash system must comply with all applicable OSHA regulations related to operator safety and all components of the washer must be in operating condition with no missing

parts. All alternating current electric motors must be listed with Underwriters Laboratory and approved for the duty of their application.

- i) The wash systems must be able to accommodate equipment up to 10' wide.
- j) Two (2), 1000-watt halogen work lights and GFI module with a generator sufficient to power both lights.
- k) The system may have:
 - i) A mechanical underbody washer. The underbody washing system must have nozzles that can be directed to within 45 degrees of vertical. The spray from these nozzles must be able to cover 100% of the underbody surfaces.
 - ii) An additional operator, skilled and knowledgeable in the safe operation, maintenance and repair of the wash system. Operators shall be able to demonstrate knowledge, skills and abilities to manage all waste products from the washer system. These personnel shall be present at all times during the incident operational periods, and are responsible for the safe operation of the wash station.
- l) Generator sufficient to power all operational needs.

EXHIBIT NR5 – CLASSIFICATION OF COMMERCIAL DRIVER'S LICENSES

CLASSIFICATION	DEFINITION
Class D	This is the license most people carry. It covers any single vehicle under 26,000 GVWR - Trailers under 10,000 GTWR - Vehicles that carry 15 passengers or less including the driver. It is a regular non-commercial license.
Class C	All vehicles UNDER 26,000 lbs. that haul hazardous materials which require placarding, or haul 16 or more passengers including the driver. Trailers not more than 10,000 lbs. GTWR.
Class B	All single vehicles OVER 26,000 GVWR - Trailers not more than 10,000 GTWR - All vehicles that will carry 16 or more passengers including the driver. Includes all vehicles under Class C or D.
Class A	Any combination of two or more vehicles, including trailer(s) in excess of 10,000 lbs., articulated buses over 26,000 lbs., and all vehicles authorized under Class B, C, and/or D.

Operators of vehicles that have a GVWR of 10,001 and greater and are engaged in interstate commerce are required to have a current DOT medical examination card in their possession.

DEFINITIONS OF STATE LICENSE TYPE ENDORSEMENTS

ENDORSEMENT	DEFINITION
Type 1	Allows the driver to operate a commercial motor vehicle in any state (interstate). Must be 21 years of age or older.
Type 2	Limits the driver to operating a commercial vehicle in a single state (intrastate). Must be 18 years of age or older.
M	When added to a Class A, B, C or D license, allows the driver to operate a motorcycle or ATV on public roads.
H	When added to a Class A, B, or C license, allows the driver to haul hazardous materials that require placarding per DOT regulations.
P	Allows the driver to operate a passenger vehicle carrying 16 passengers or more including the driver.
N	When added to a Class A, B, or C license, allows the driver to operate a tank vehicle transporting bulk liquid. Not required for "portable" tanks less than 1,000-gallon capacity.
X	Allows the driver to haul hazardous material and operate a tank vehicle.
T	When added to a Class A license, allows the driver to operate any commercial vehicle combination with two or more trailers.
A	Air Brake Restriction - placed on the commercial license of those who ARE NOT qualified to operate air brake equipment vehicles.

EXHIBIT NR6 – NORTHERN ROCKIES CONTRACT PERSONNEL REQUIREMENTS

Classification	Physical Fitness Test	Fireline Safety Refresher (5)	Personal Protective Equipment (PPE)
Dozers, skidders, skidgines, pumpercats, soft tracks, feller-bunchers, graders, excavators, chipper, masticator (1)	Light**	Yes	Yes
Drivers of pickups, SUVs, sedans, cargo	No	Yes/No (2)	Yes/No (2)
Buses	No	Yes/No (2)	Yes/No (2)
Transports	No	Yes/No (2)	Yes/No (2)
Water Tender, Support* (1)	Light**	Yes	Yes
Engines Type 1-2, and CFR (4) (6)	Light	Yes	Yes
Engines Type 3-7 (3) (6)	Arduous	Yes	Yes
Shop Trucks	No	Yes	Yes
Fuel Tender	No	Yes/No (2)	No
Ambulances Ground (6)	No	Yes	Yes
Professional Fallers (1)	Arduous	Yes	Yes
Gray water	No	Yes/No (2)	Yes/No (2)
Potable water truck	No	Yes/No (2)	Yes/No (2)
Support Positions	No	Yes/No (2)	Yes/No (2)
Weed Wash Stations	No	Yes /No (2)	Yes /No (2)
Misc. Support Trailers	No	Yes /No (2)	Yes /No (2)

*The NRCG Operations Committee has elected not to solicit for tactical water tenders within the geographic area.

** Operators are required to complete an annual light physical fitness test (walk 1 mile in 16 minutes or less)

Training providers: www.fs.fed.us/r1/fire/nrcg/training_mou_index.htm

- (1) A fireline qualified person must accompany position(s) on fireline activity.
- (2) On a case-by-case basis, some situations may require PPE and the Annual Safety Refresher (RT-130). If not staying in camp, refer to Host Agency Operating Guidelines for requirements.
- (3) Engines are required to have a NWCG 310-1 Qualified Single Resource Boss (Engine) and one FFT2 at a minimum.
- (4) NFPA 1001 & NFPA 1051 or equivalent training required.
- (5) Annual Fireline Safety Refresher Training (RT-130) is required for all personnel who are staying in fire camp and/or going to the fireline. The minimum requirement is four (4) hours for Contract Resources and up to eight (8) hours, depending on the hiring agency for Casual employees. Refresher training shall minimally consist of fire shelter purpose and use, practice deployments, and any pertinent fire safety related topics, such as: Fire Orders and Watch-Out Situations; Lookouts, Communications, Escape Routes, and Safety Zones(LCES); Look Up, Look Down, and Look Around; and SAFENET at www.nifc.gov
- (6) Homeland Security / FEMA (IS-700a and/or IS-800) Training Requirements for private sector first responder engine personnel.

EXHIBIT NR7 - AFTERMARKET EQUIPMENT CERTIFICATION

(Revised February 22, 2010)

ORIGINAL EQUIPMENT

Name of Contractor: _____
Description and Model: _____
Serial Number: _____
Operating Limitations: _____

AFTERMARKET EQUIPMENT

Description and Model: _____
Serial Number: _____
(Owner shall assign Serial Number if none is available – stamped on metal)
Tank Capacity: _____ Gallons: _____
(Temporary fillers and spacers are not permitted.)
Baffles: _____

- One longitudinal baffle regardless of width and one transverse baffle at a minimum of every 52"
- All baffles must cover 75% of the plane of the tank
- Baffling. The water tanks shall be equipped with partitions that reduce the shifting of the water load. Free Floating Baffle System - baffles which reduce the shifting of the water load AND do not compromise the structural integrity of the originally manufactured tank are acceptable. If a Free Floating Baffle System is used the vendor must submit data sheets which validates that the baffling is sufficient to meet the manufacturer's recommendation.

CERTIFICATION OF AFTERMARKET EQUIPMENT MOUNTED ON ORIGINAL EQUIPMENT (Does Not Exceed Operational Limitations)

I certify that the addition of the prescribed aftermarket equipment will not exceed the original equipment operating limitations. Affix engineer's stamp or seal below.

Engineer Signature: _____ Date: _____

Engineer Printed Name: _____

License No.: _____ State: _____ Expiration: _____

If the individual signing this certification is not an Engineer you are required to complete the continuation sheet on the next page with the additional information requested.

AFTERMARKET EQUIPMENT CERTIFICATION – Continuation Sheet
(Revised February 22, 2010)

Documentation of Qualification to Certify Aftermarket Equipment
-Form will be kept on file with Aftermarket Certification-

Name of person providing certification: _____

Address: _____

Phone Number: _____ E-mail: _____

Engineering or other applicable education (include degree and institution): _____

Past experience in engineering, including design, analysis, manufacturing, testing, etc... if applicable. Attach additional information if needed: _____

Professional certifications or licenses: _____

Additional information documenting expertise: _____

References: Name and phone number: _____

Signature: _____ Date: _____

EXHIBIT NR8 - INCIDENT EQUIPMENT REPAIR ORDER

1. Contractor's Name		2. Date:	
3. Incident Name:		4. Incident Number:	5. "E" Number
6. Equipment Description (include year, make, model, serial number):			
7. Description of Work Performed			
8. Labor: Inclusive hours (rounded to the nearest ½ hour) work was performed: Total Labor Hours: _____ X _____ = \$ _____ <div style="display: flex; justify-content: space-around; width: 100%;"> Hourly Rate Total Labor </div>			9. Odometer Reading:
10. Parts and Accessories (Use reverse for additional Parts and Accessories if necessary):			
Parts Used	Quantity	Unit Price	Total
			\$
			\$
			\$
			\$
TOTAL PARTS:			\$
TOTAL LABOR (FROM BLOCK 8):			\$
TOTAL OF EQUIPMENT REPAIR ORDER:			\$
11. Signatures (must be legible): <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Contractor's Signature _____ Printed Name and Title: _____ Date: _____ </div> <div style="width: 45%;"> Mechanic's Signature: _____ Printed Name and Title: _____ Date: _____ </div> </div>			

Original = Finance
 Copy = Contractor

☐ Copy in Contractor's OF-304
☐ Posted to OF-286